

Voice Data, Video, Telemetry, Continuous Burst,  
Spread Spectrum, OFDM, CDMA, WCDMA, TDMA...

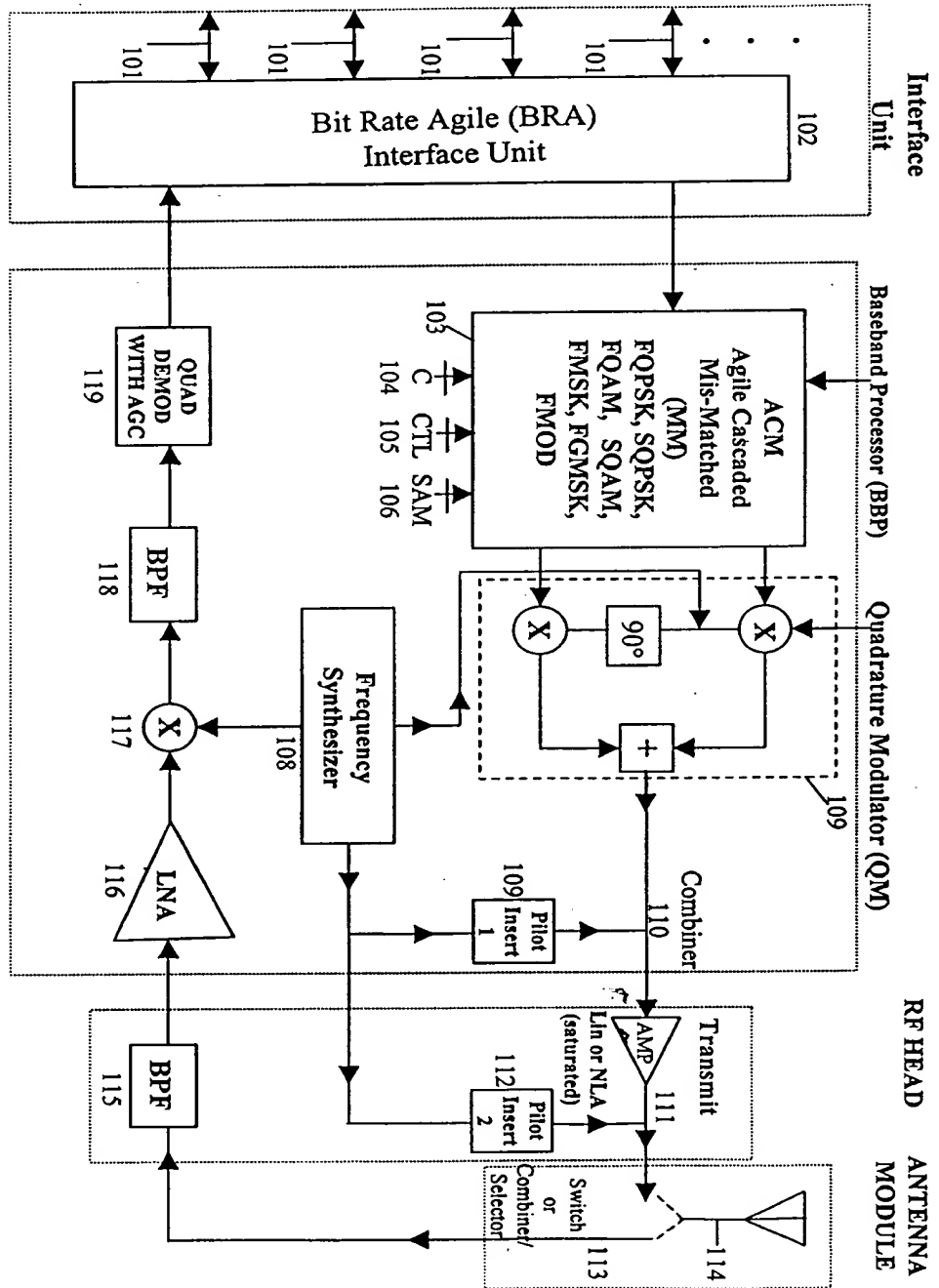


Fig.1a

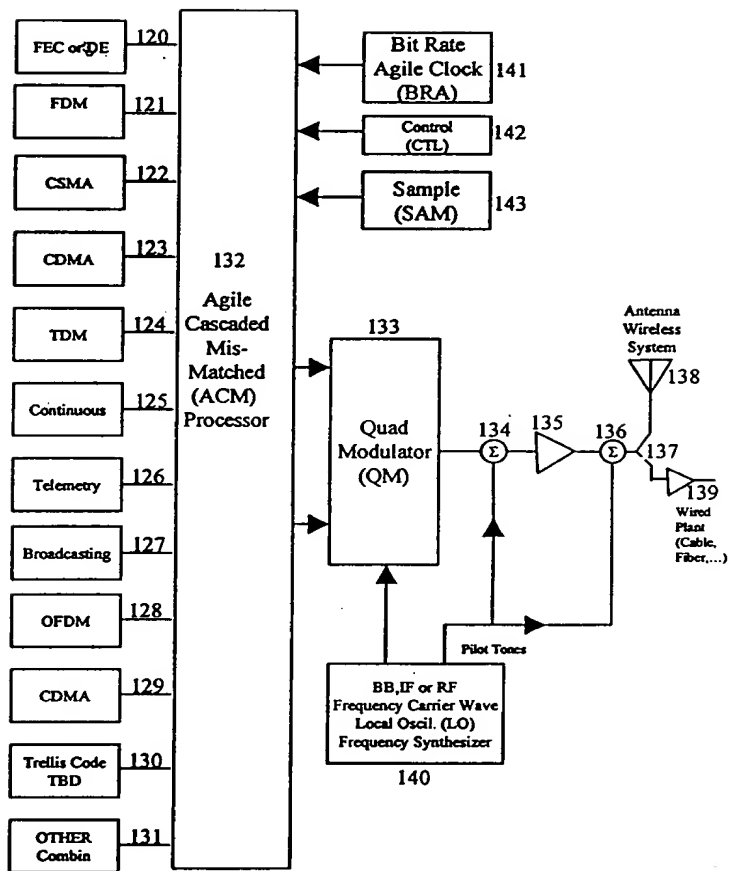


Fig.1b

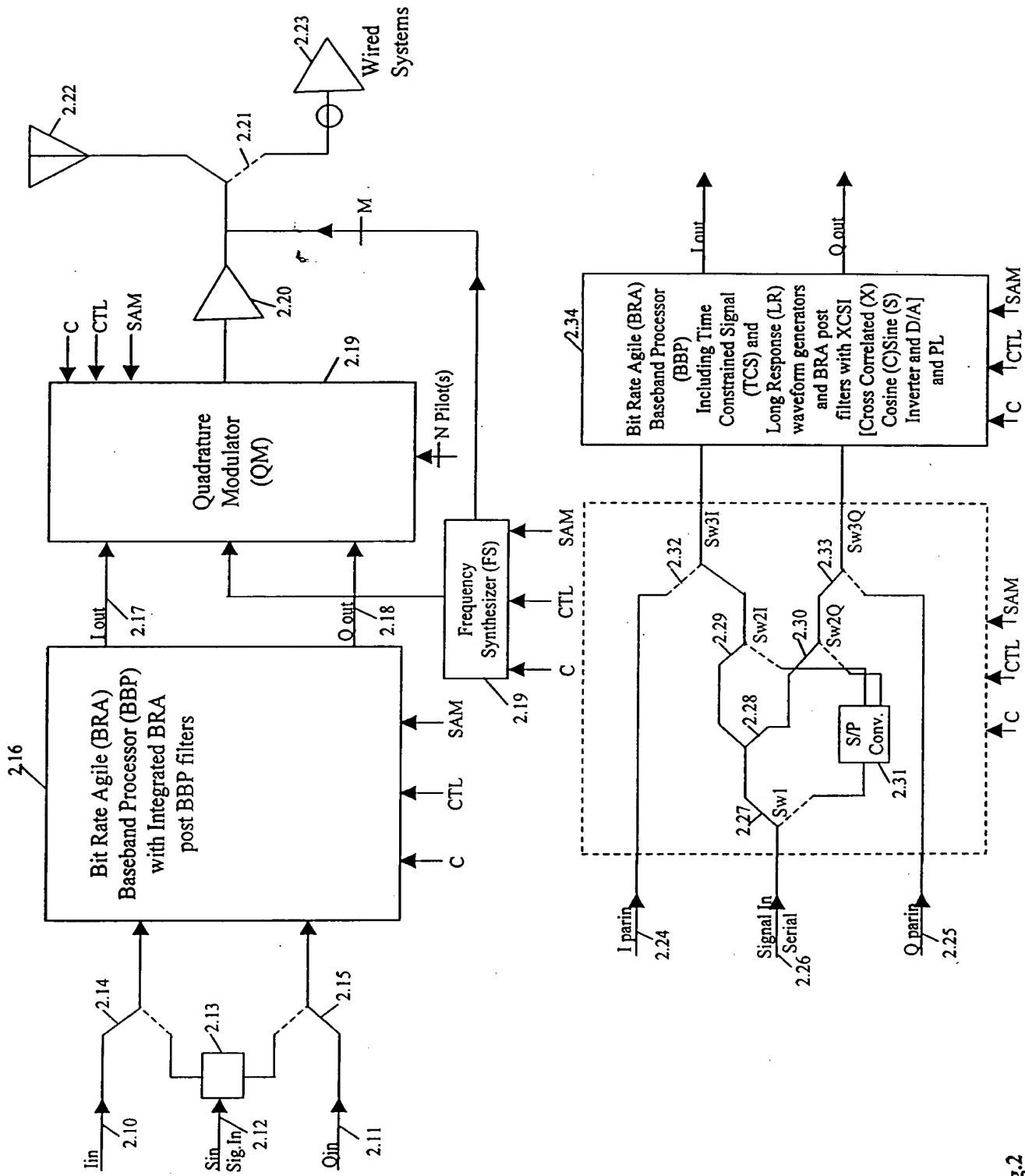


Fig.2

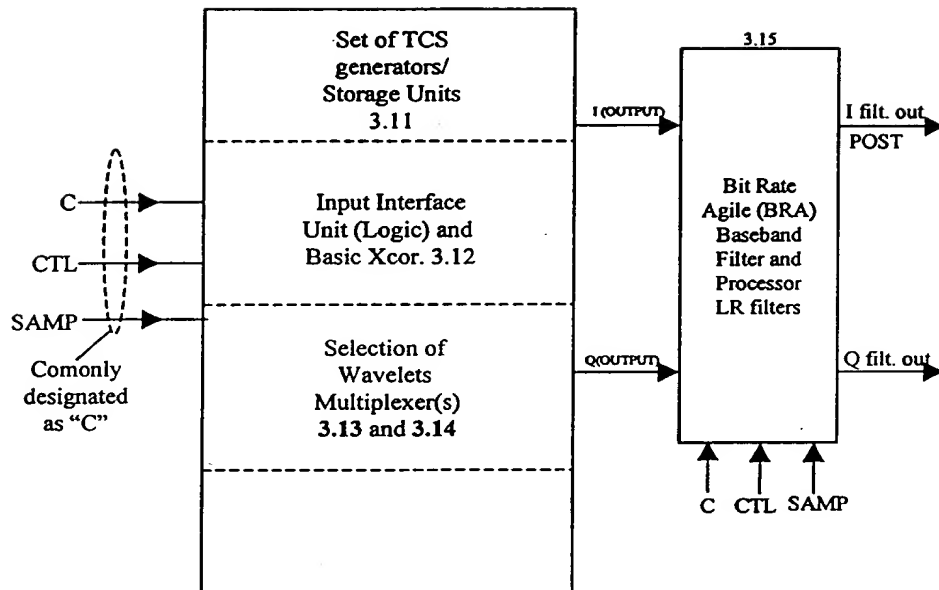


Fig. 3.

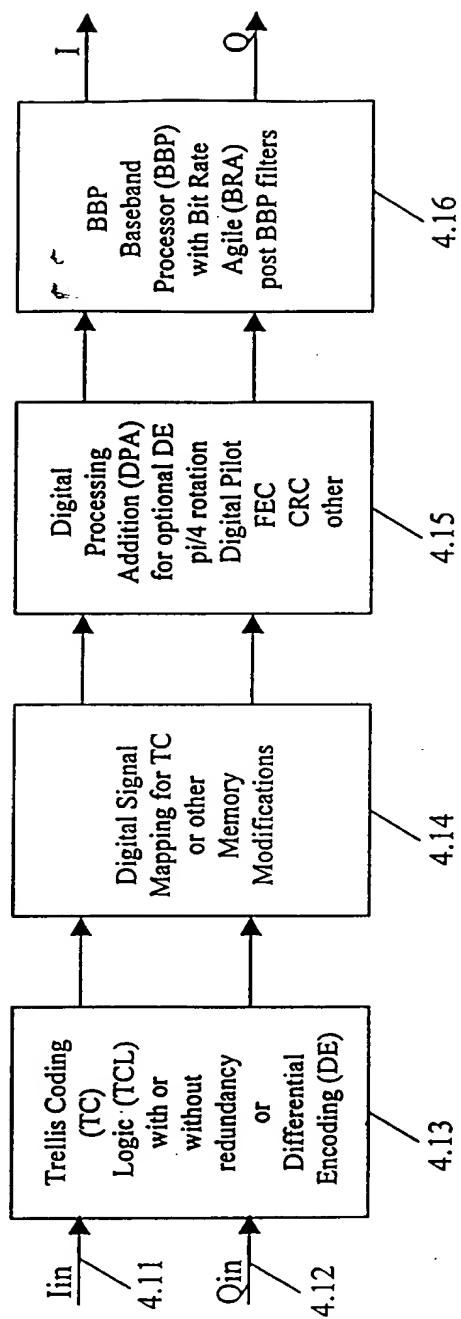


Fig.4

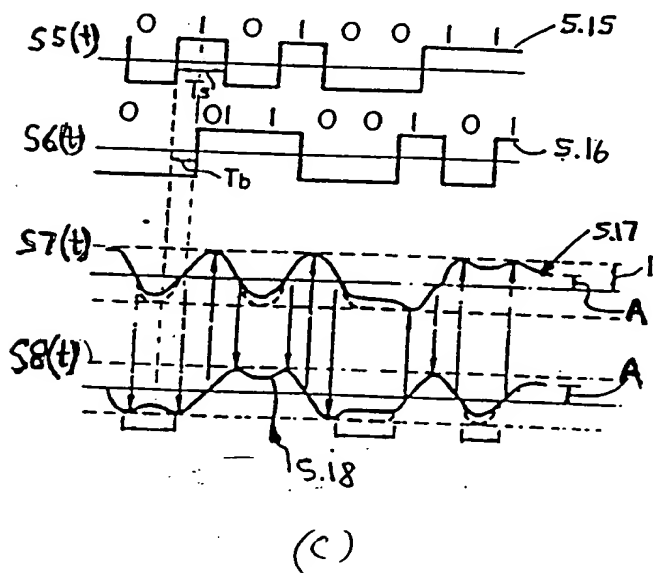
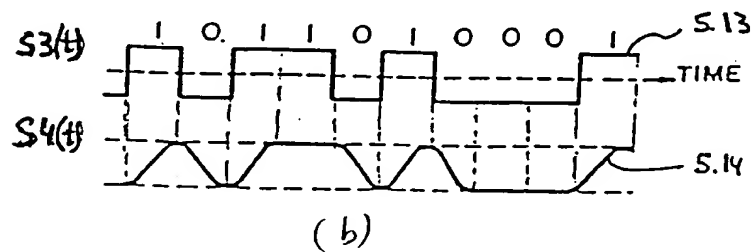
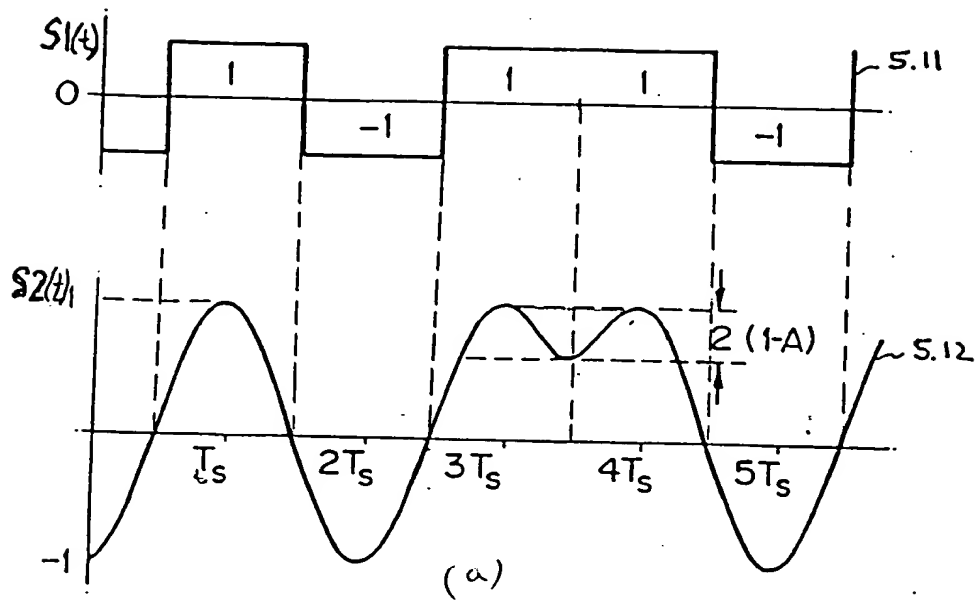


Fig. 5

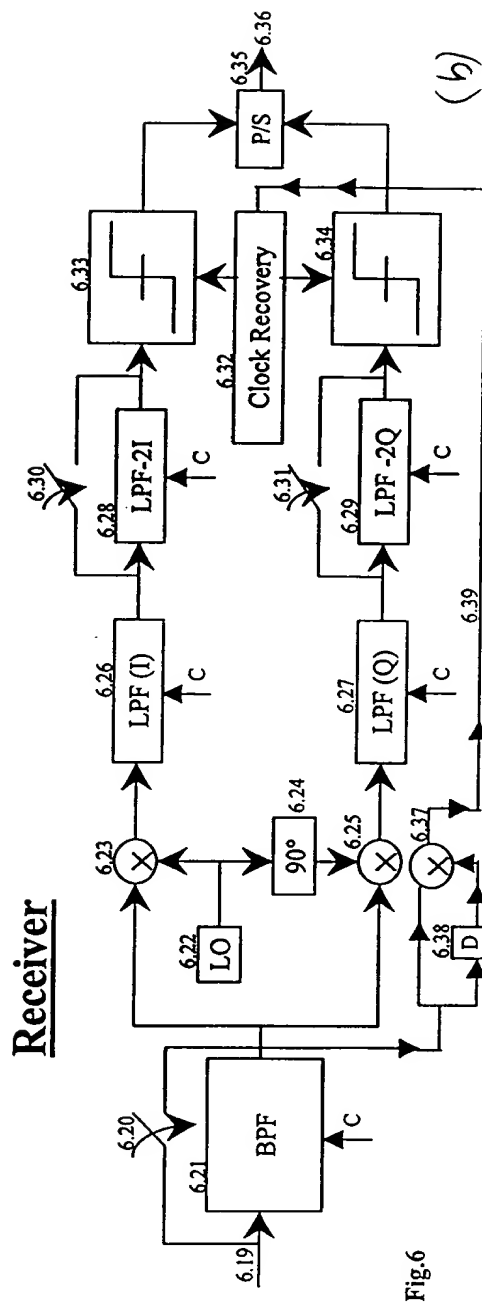
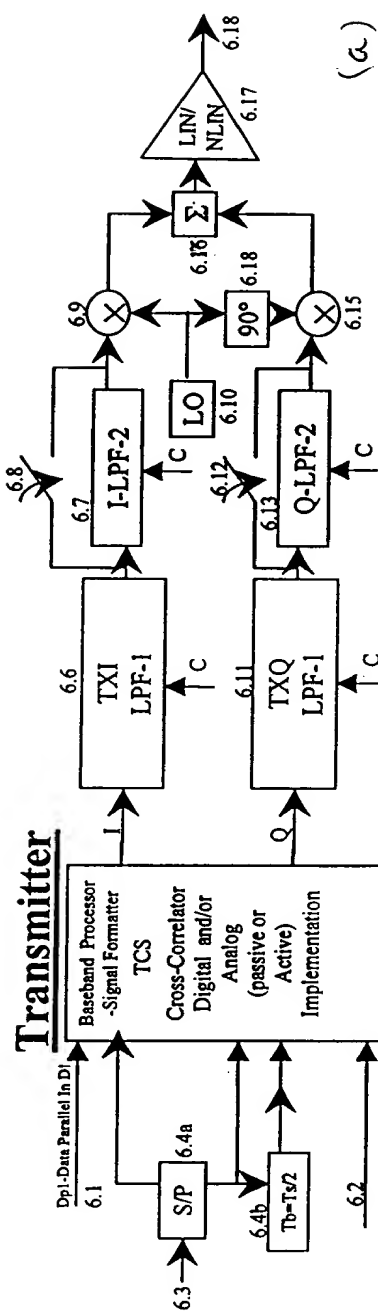
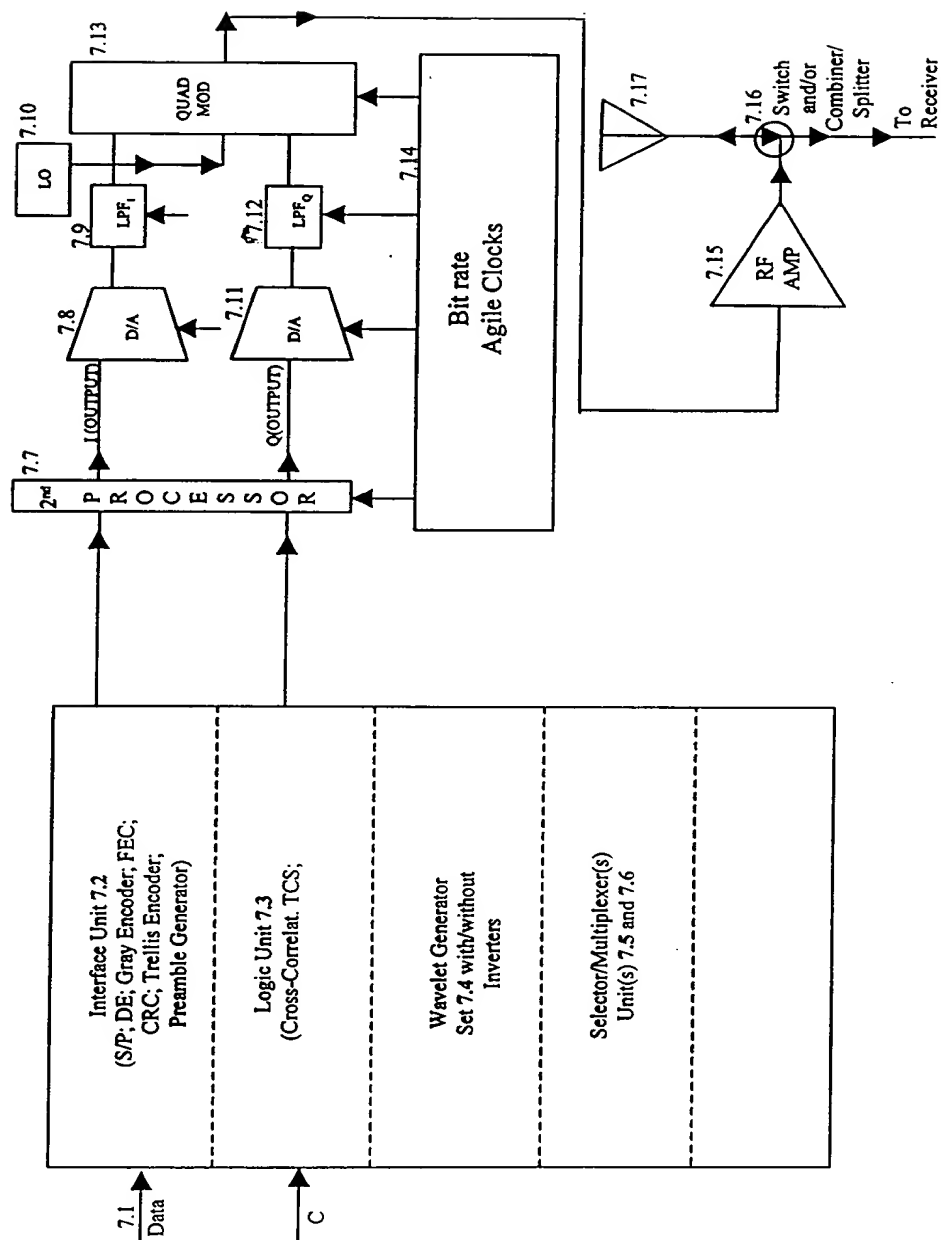


Fig.6



**Fig. 7**



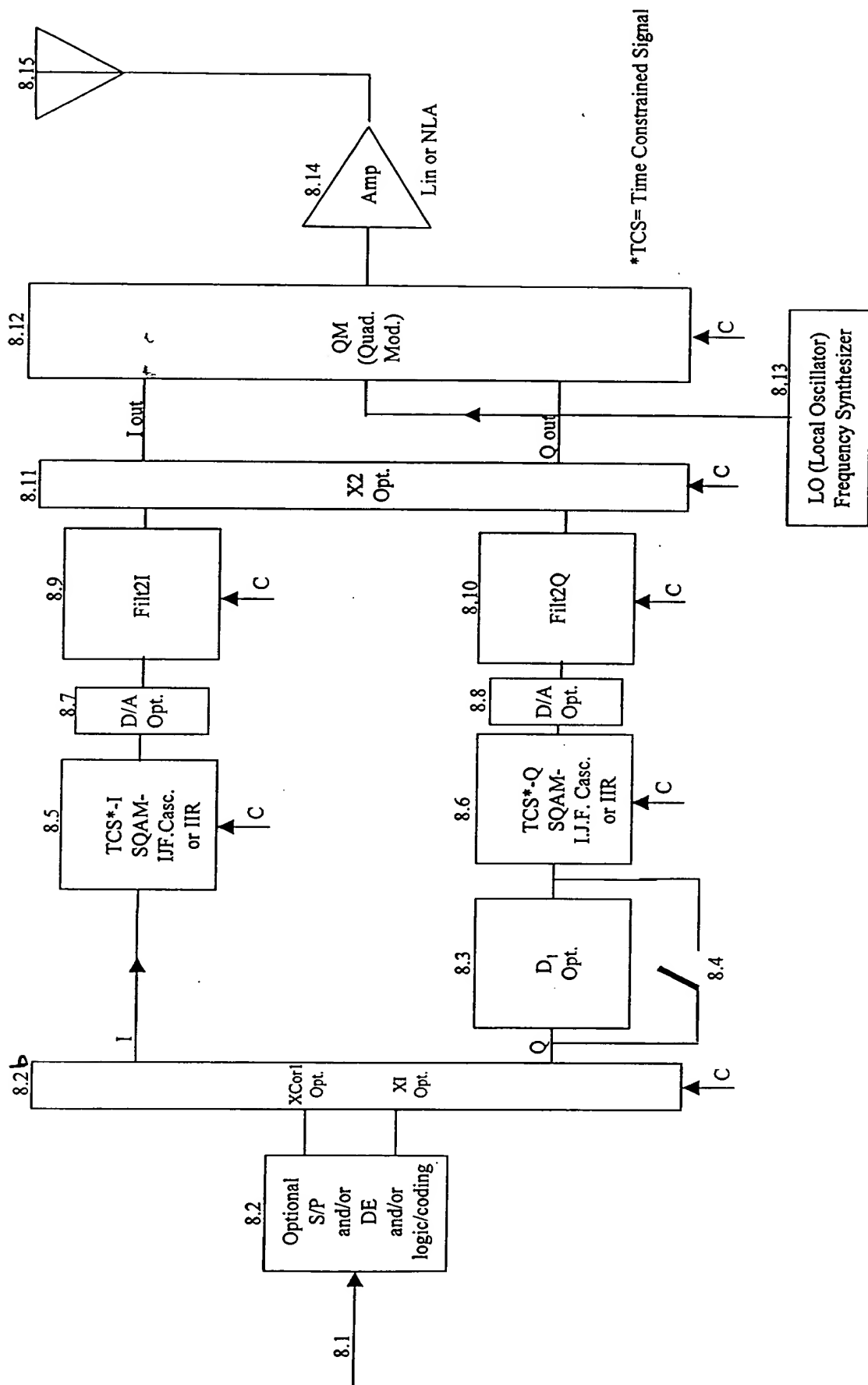


Fig. 8

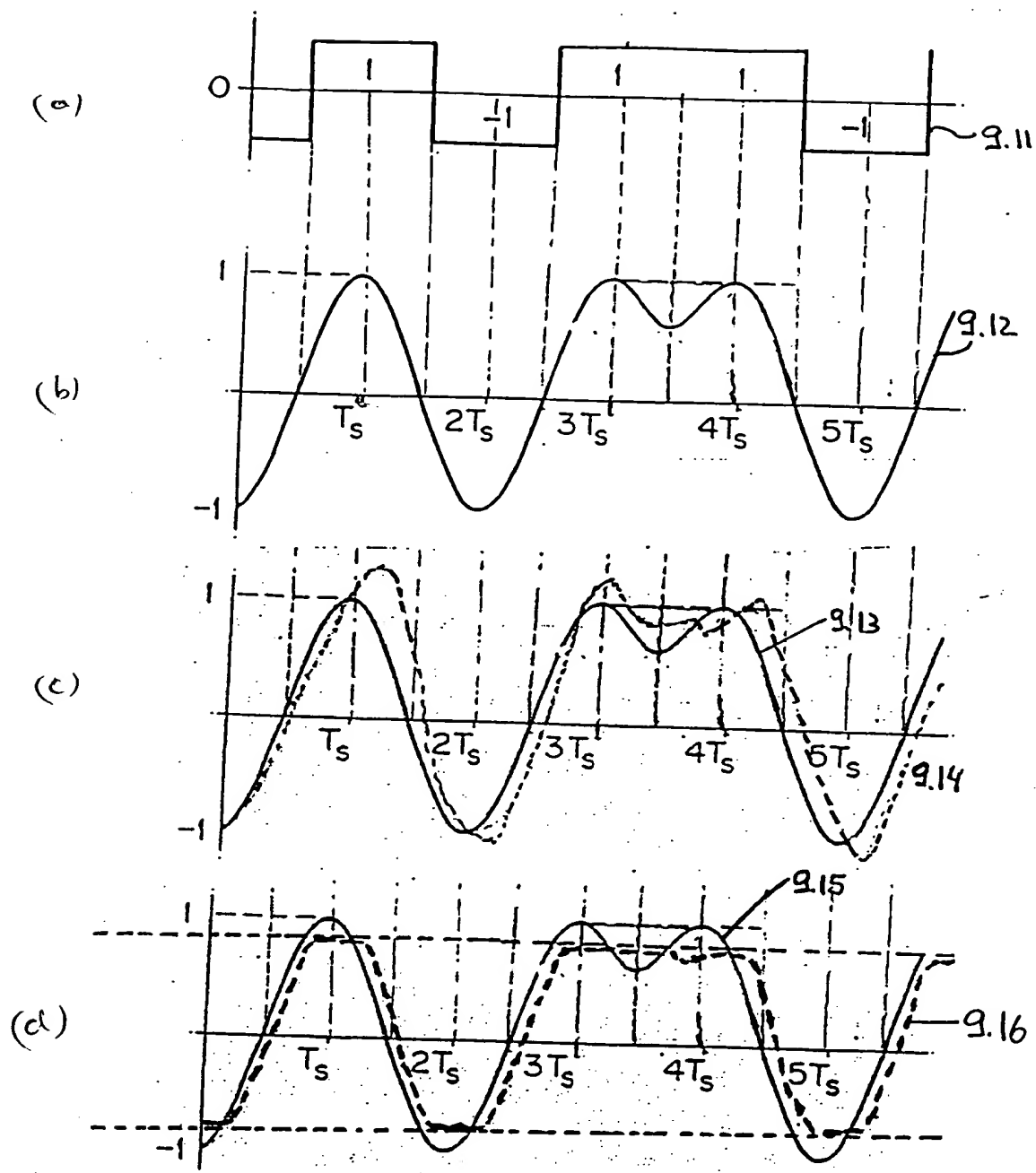


Fig. 9

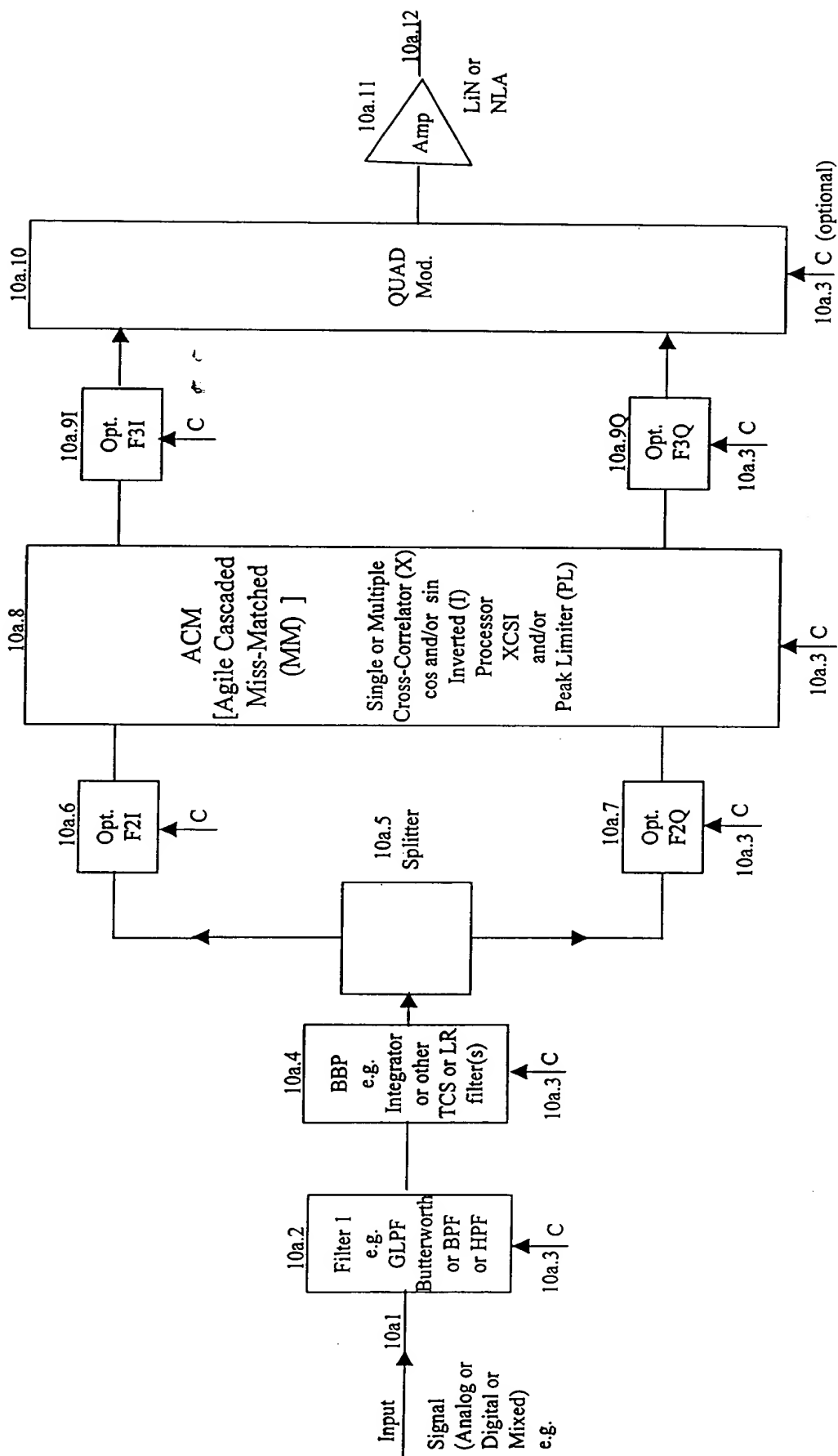
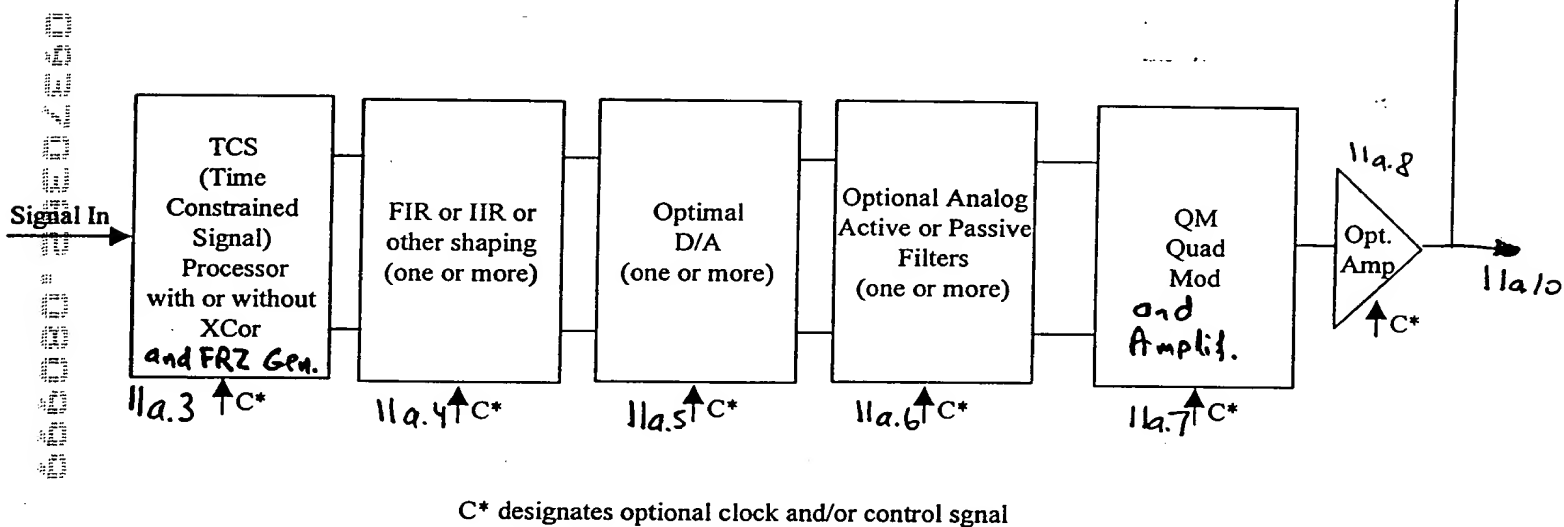
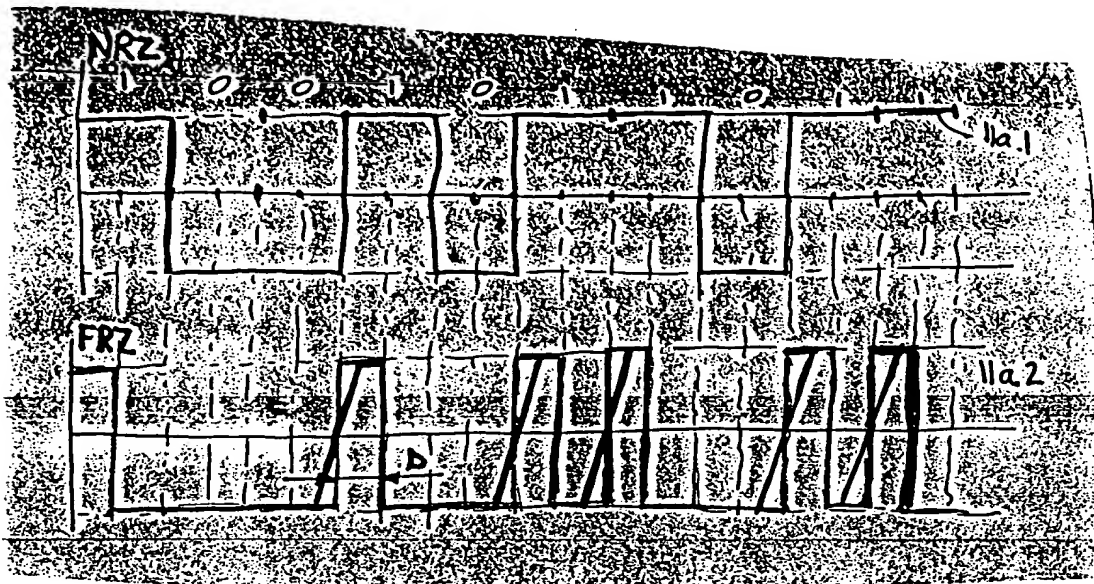


Fig.10a



BEST AVAILABLE COPY

Fig. 11a

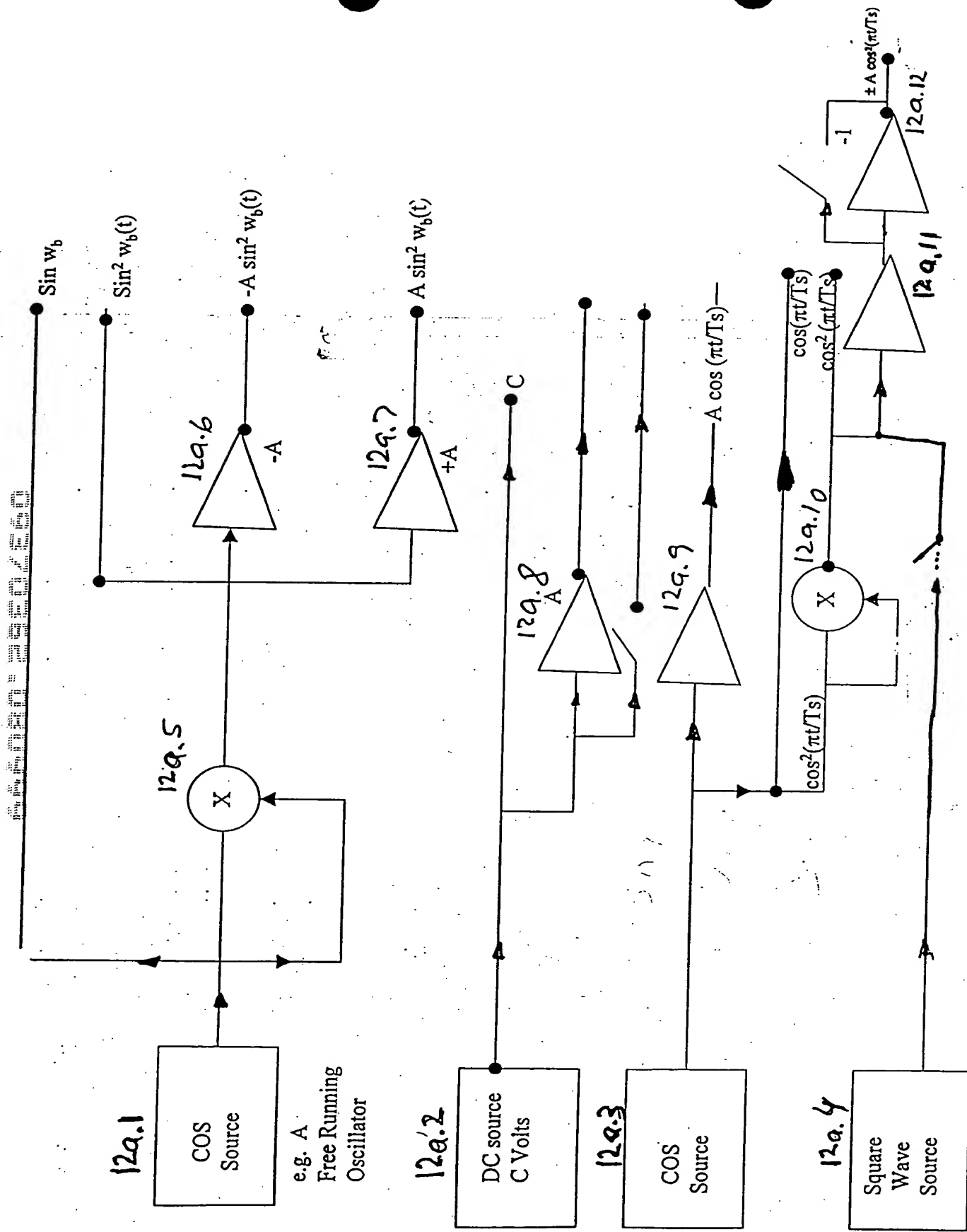


Fig. 12a

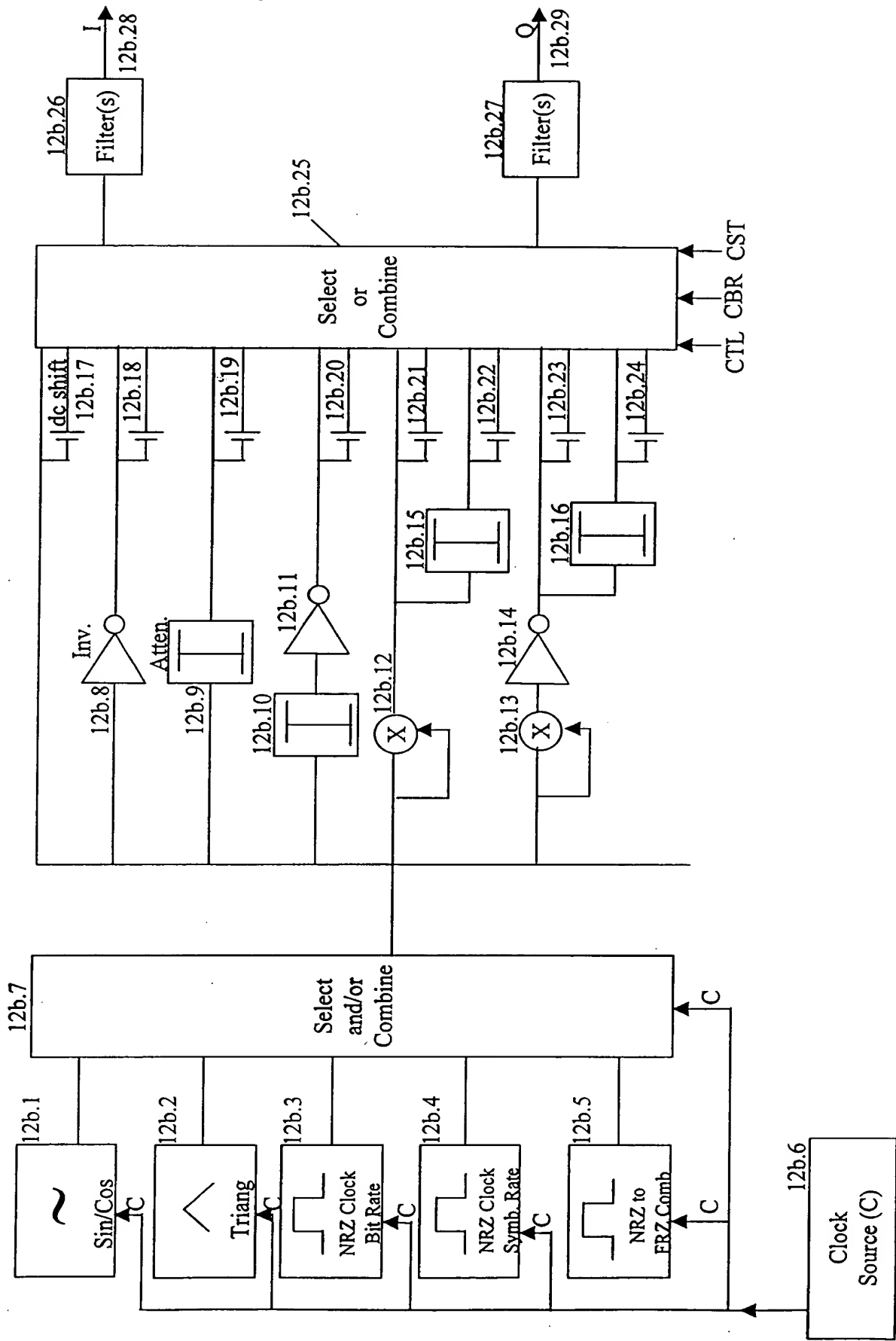
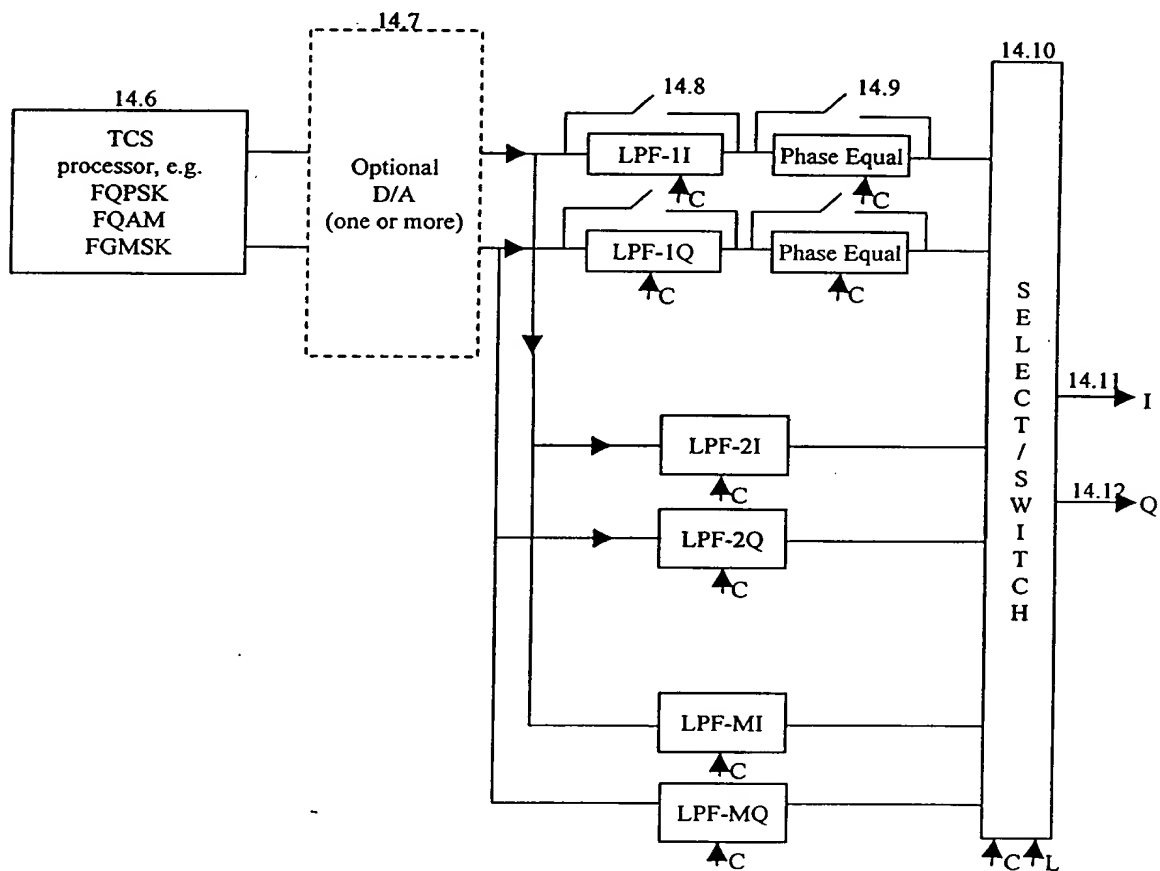
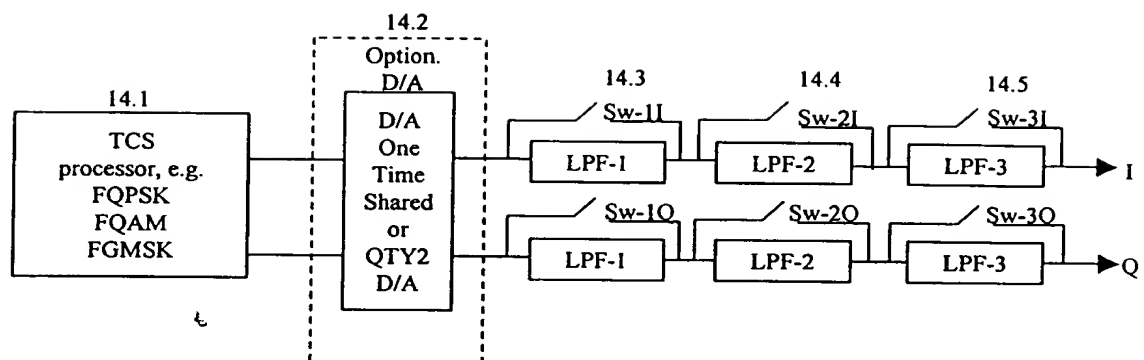


Fig.12b





**Fig. 14**



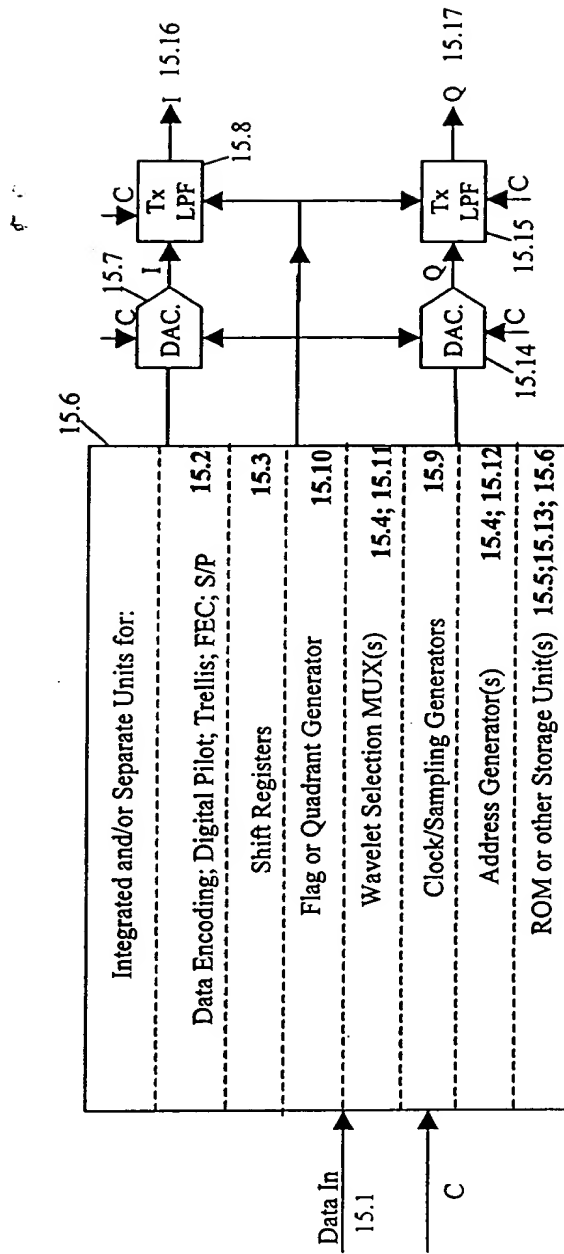
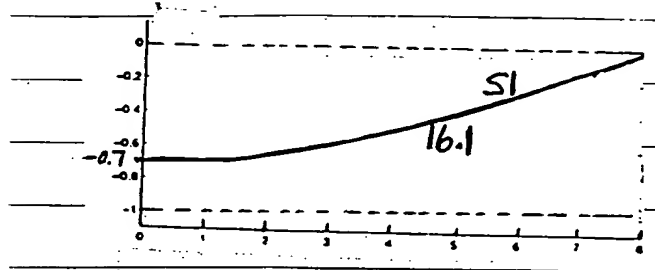
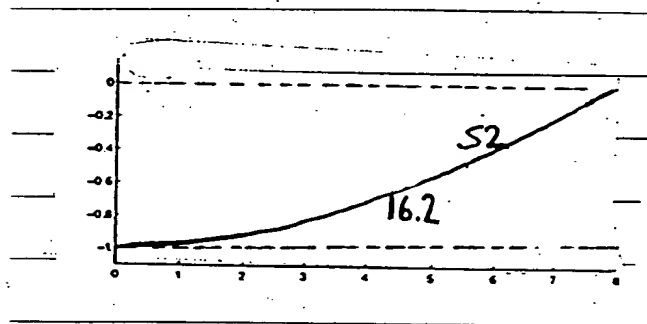


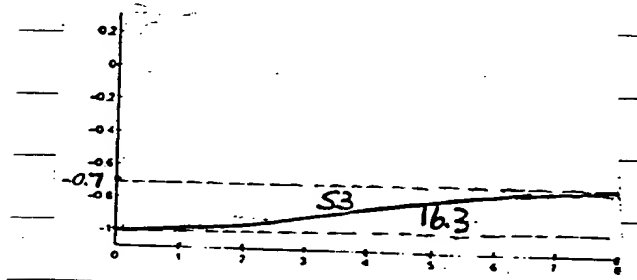
Fig.15.



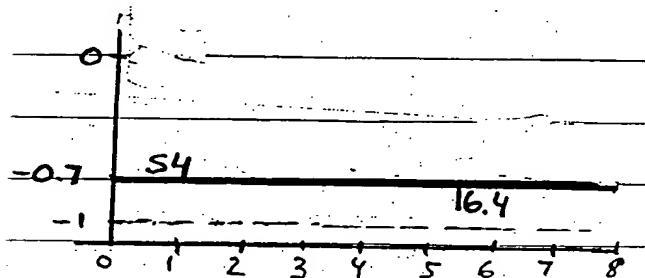
(a)



(b)

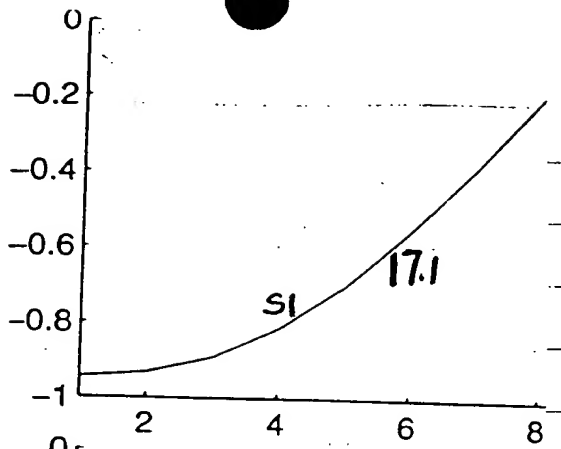


(c)

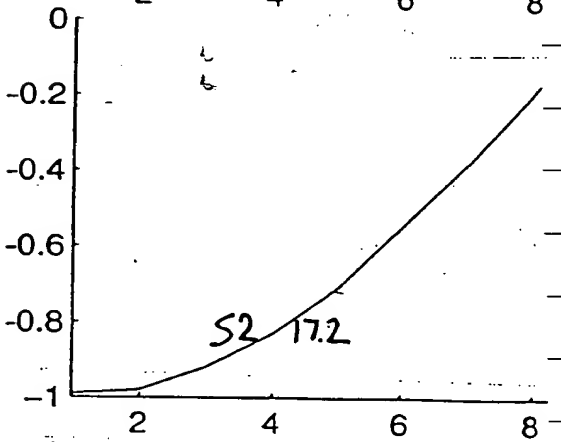


(d)

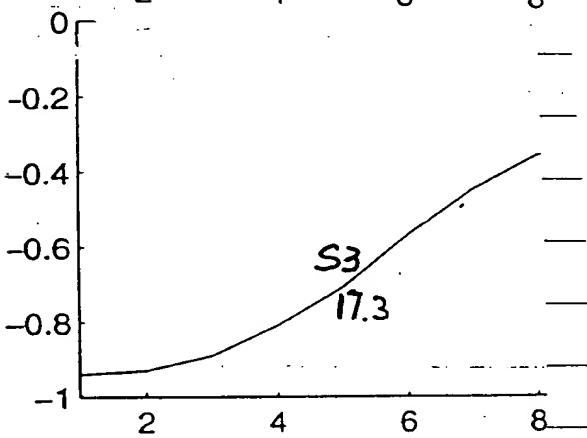
Fig. 16



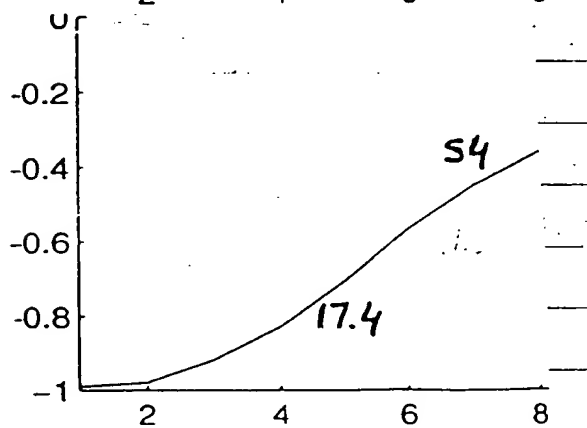
(a)



(b)



(c)



(d)

Fig. 17

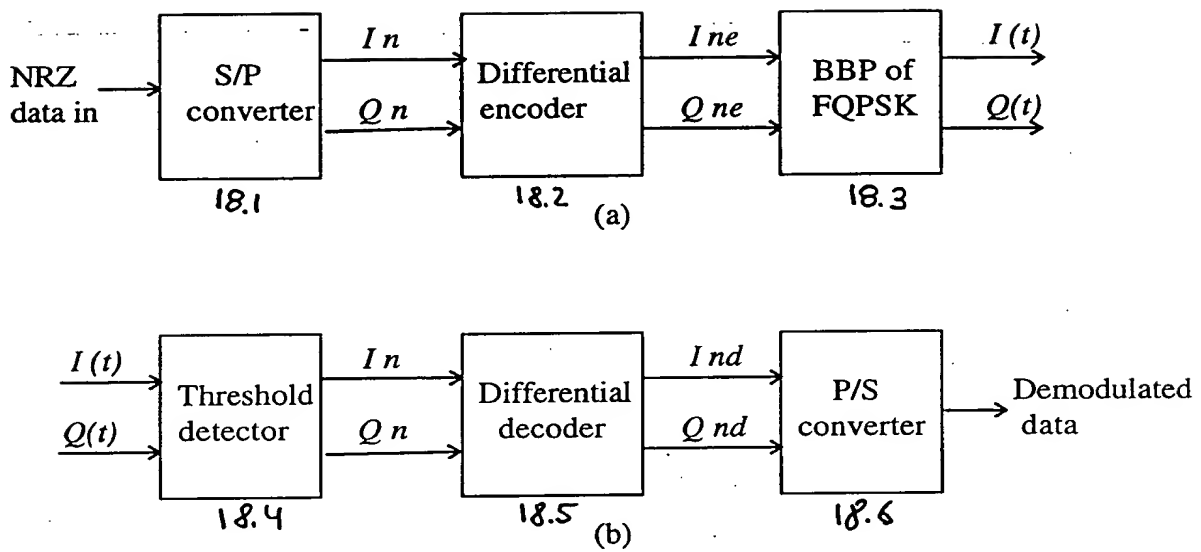
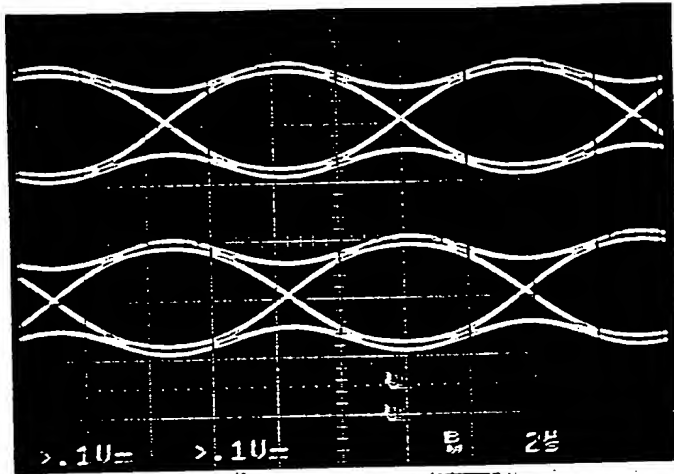
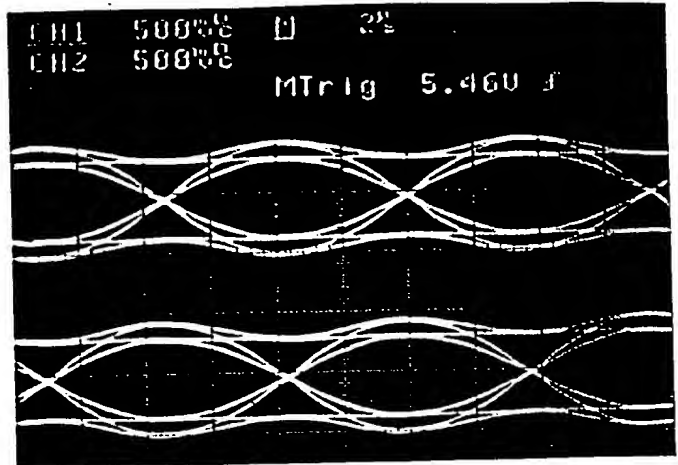


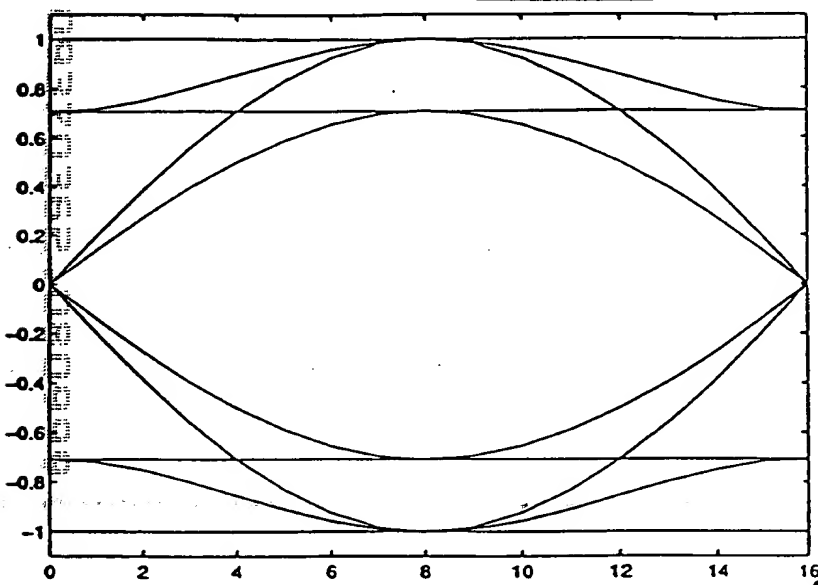
Fig. 18



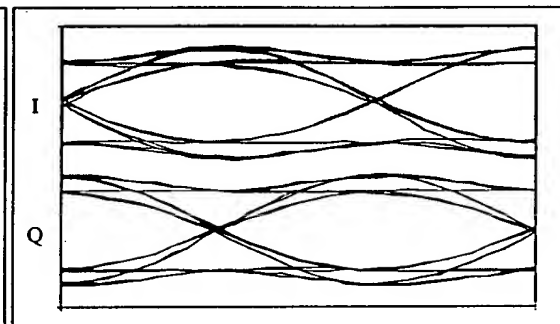
(a) FGMSK (BTb = 0.3)



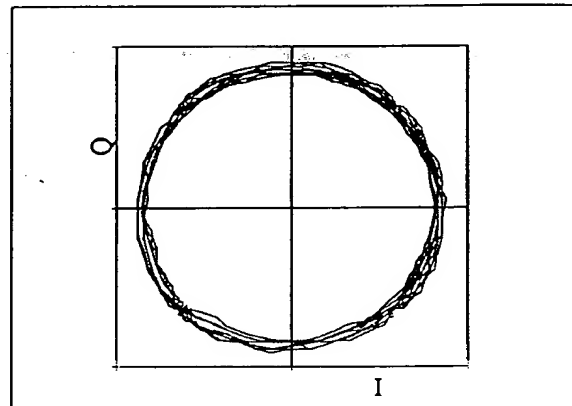
(b) FQPSK meas. min. filt. A = 0.7



(c) FQPSK Computer. Gener.  
A = 0.7, no post TCS filtering



(d) FQPSK-B meas.



(e) FQPSK-B. Vector constellation

FIG. 20 is a block diagram of a digital baseband processor for a radio transmitter. The diagram shows the flow of data from an input signal through various processing blocks to an amplifier and radio transmitter.

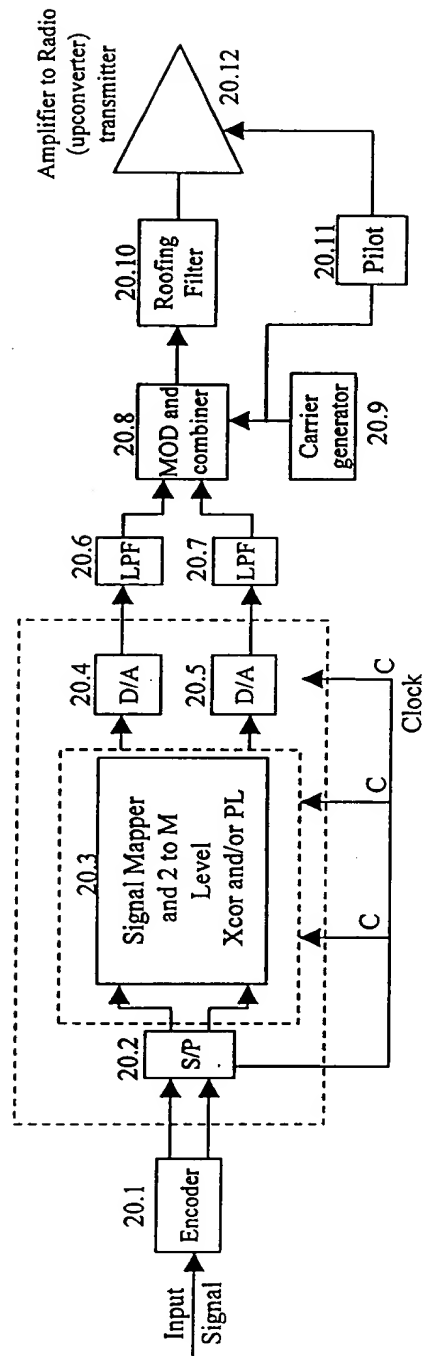
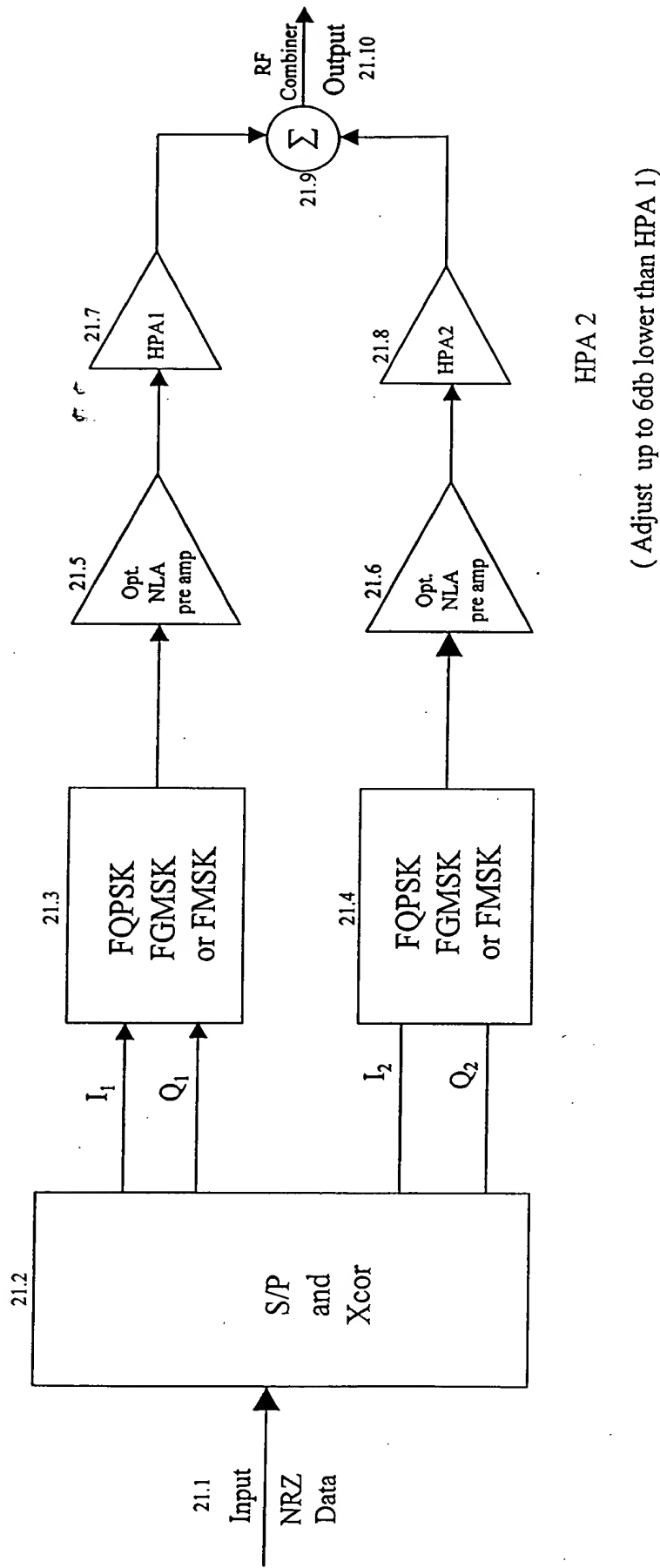


Fig.20

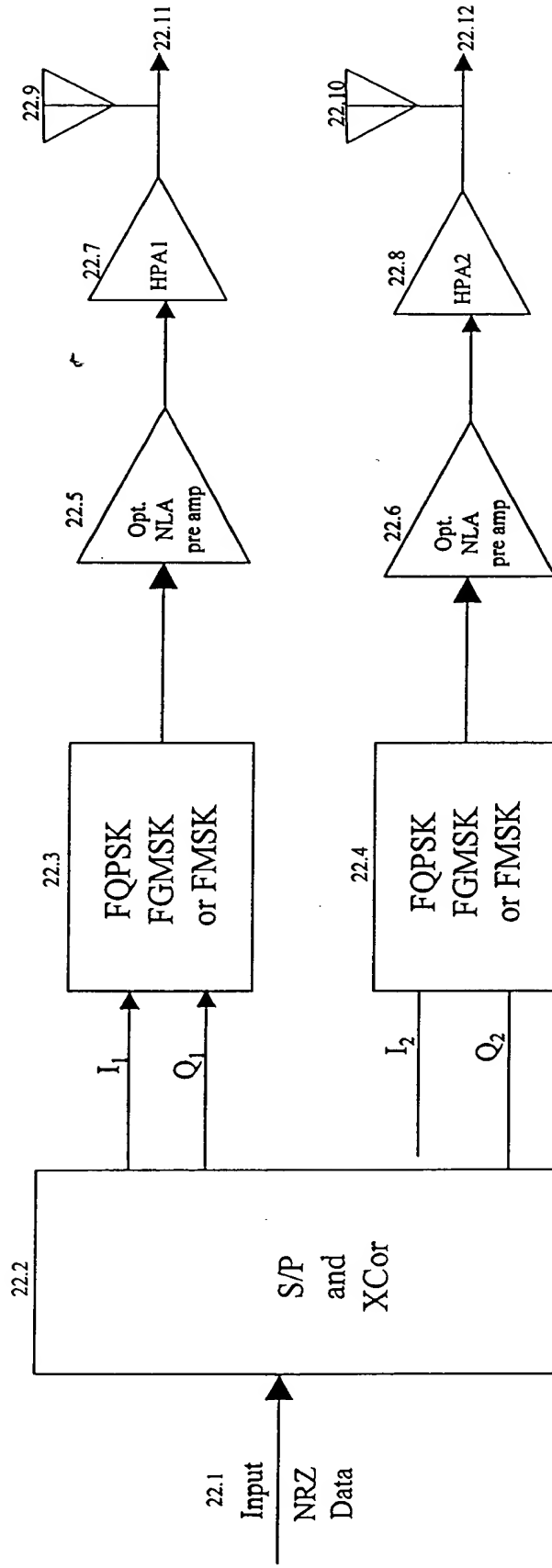
# Hard-limiters or low power or High Power Amp(HPA) NLA or LIN



HPA1 & HPA2 are operated in a saturation NLA or LIN mode.

Fig.21

# Hard-limiters or low power or High Power Amp(HPA) NLA or LIN



HPA 2  
 ( Adjust up to 6db lower than HPA 1 )  
 HPA1 & HPA2 are operated in a saturation NLA or LIN mode.

Fig.22



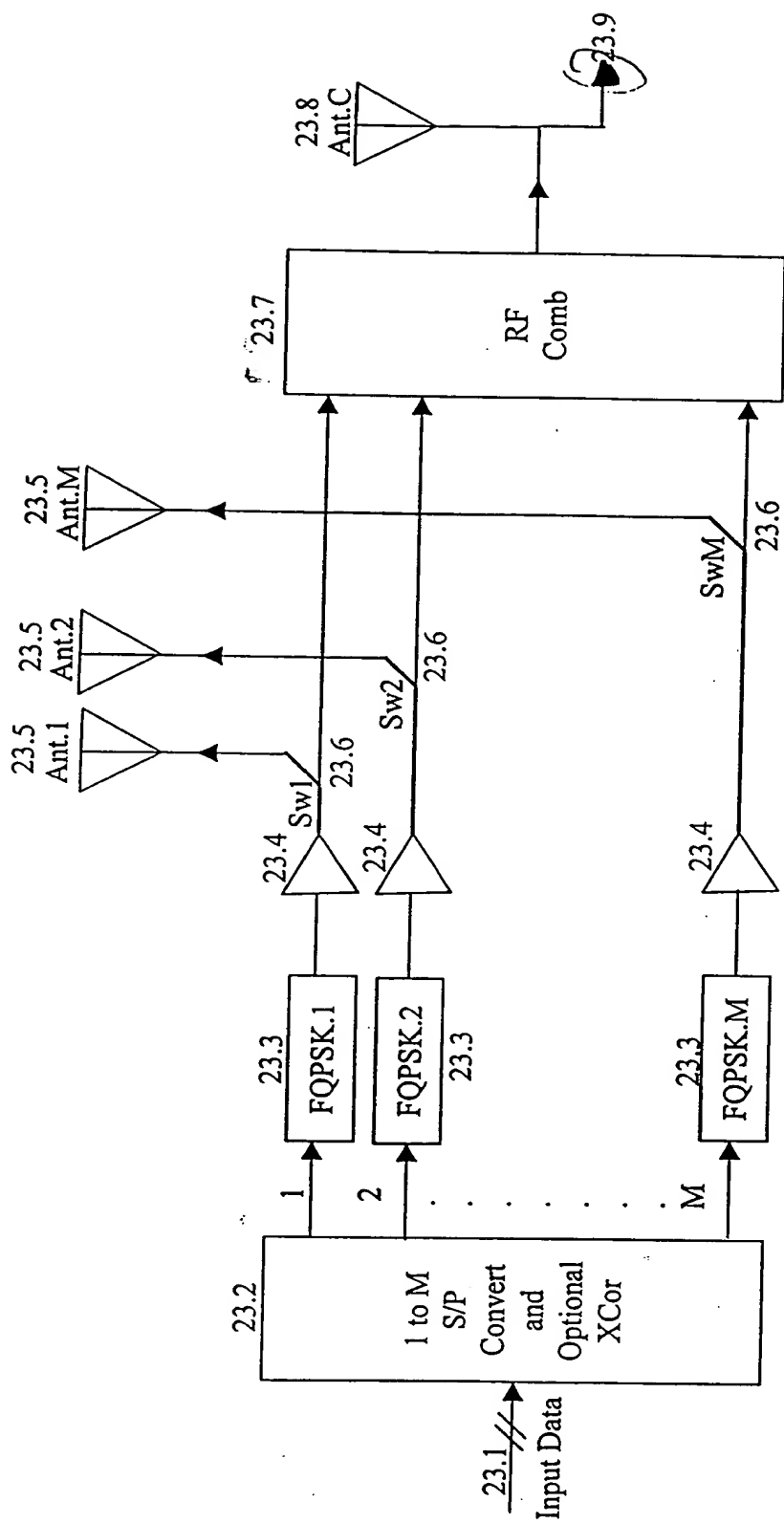


Fig.23

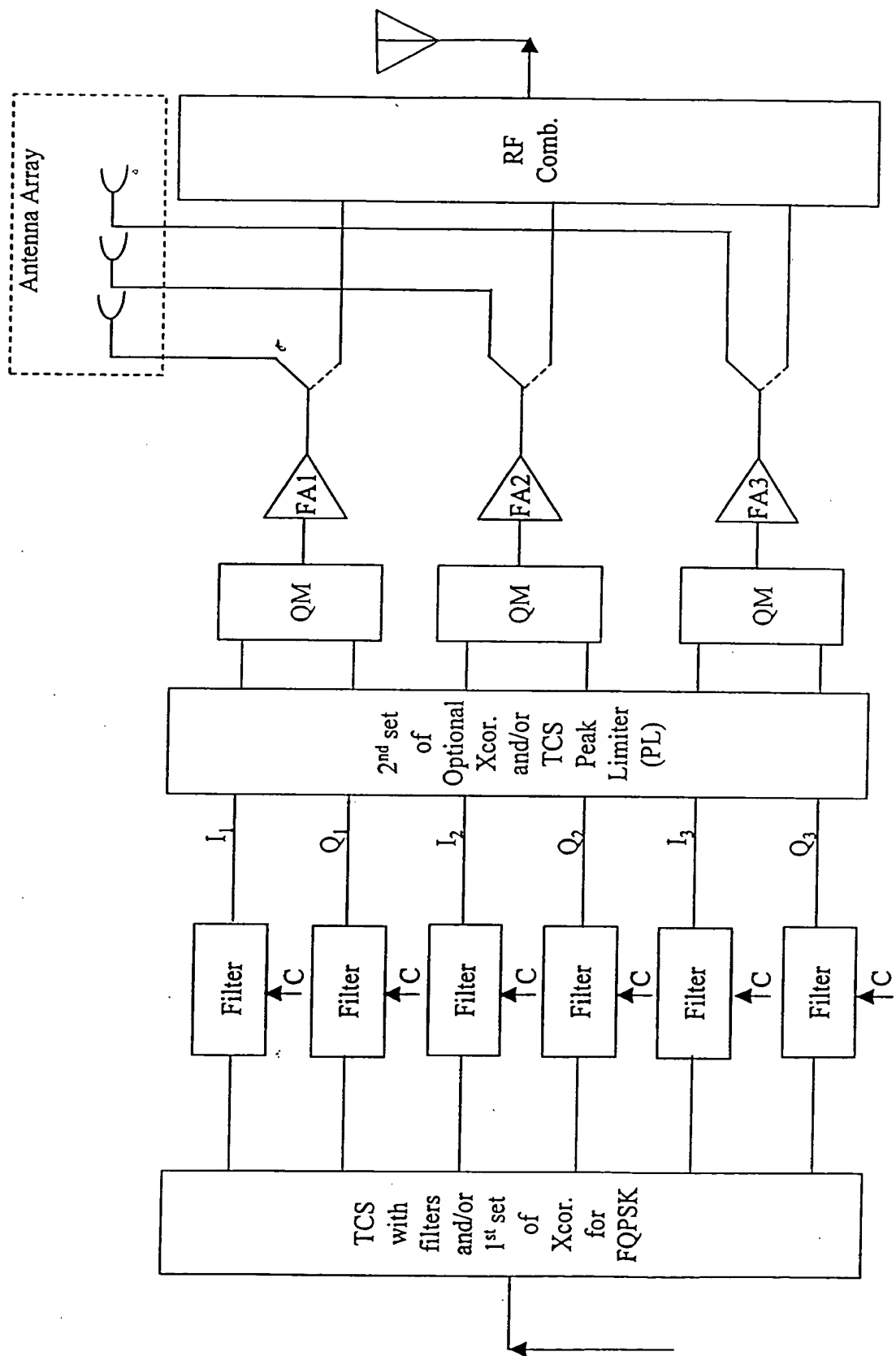


Fig.24

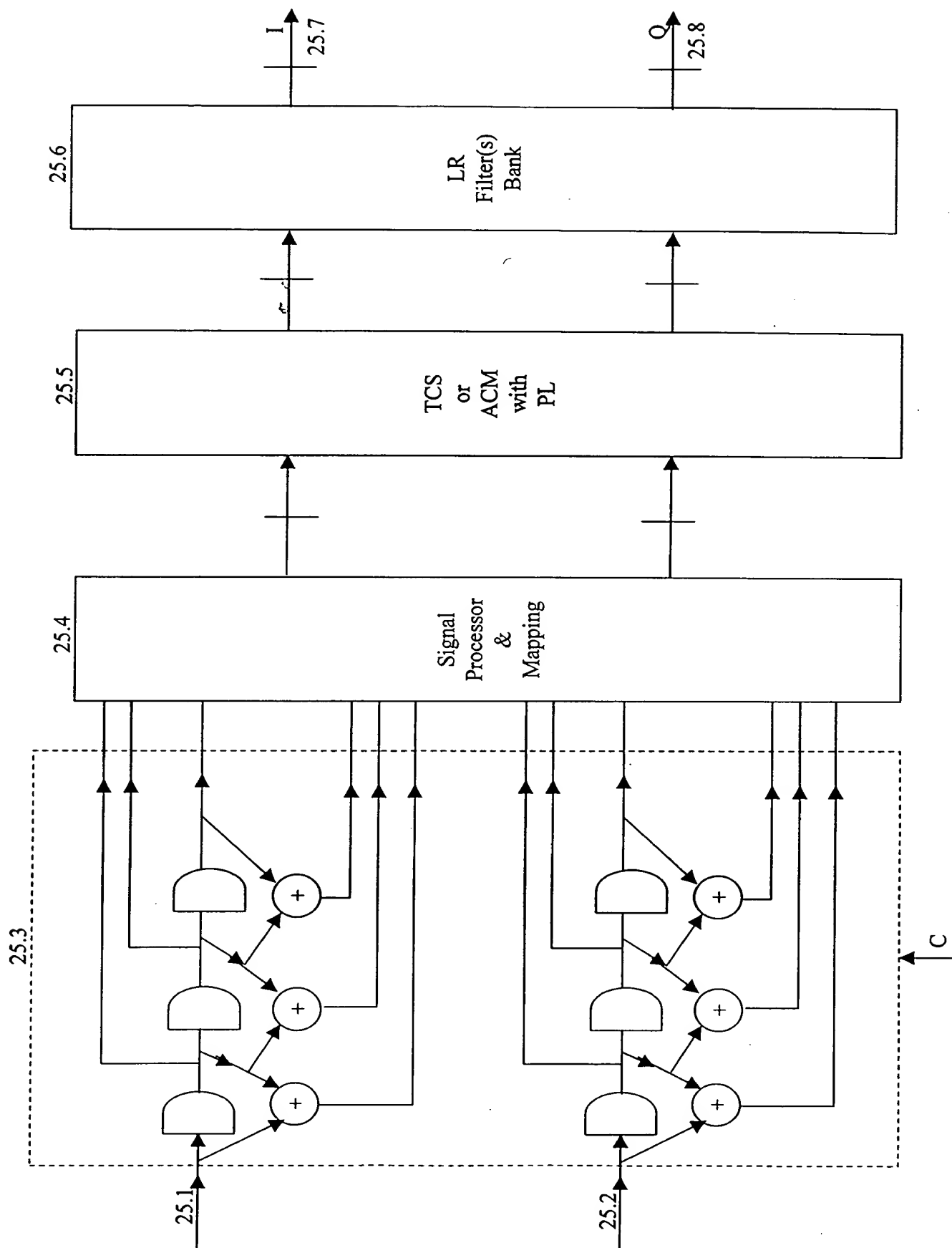


Fig.25

13 Mb/s FQPSK-B

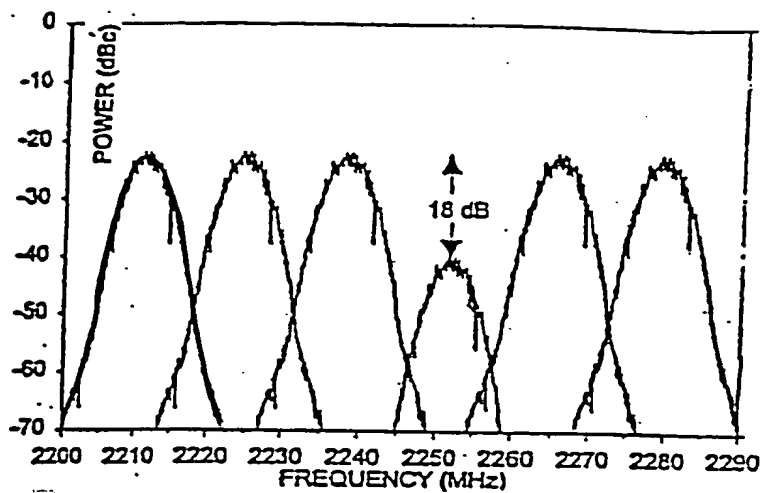


Fig. 26(a)

13 Mb/s PC/FM

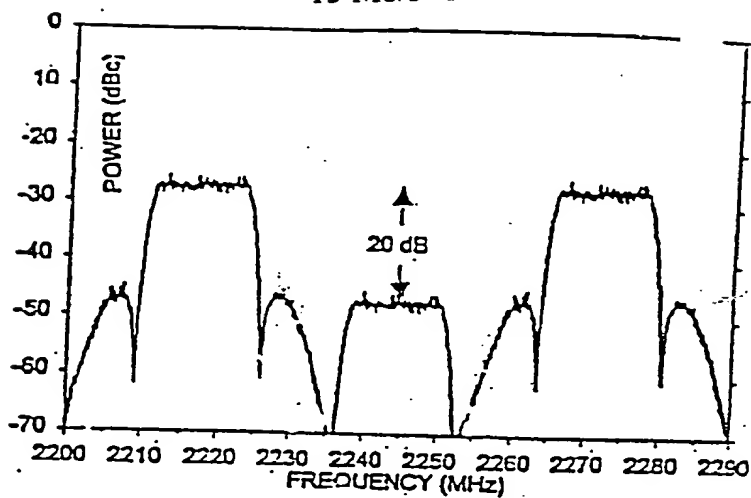


Fig. 26(b)

Fig. 26(c)

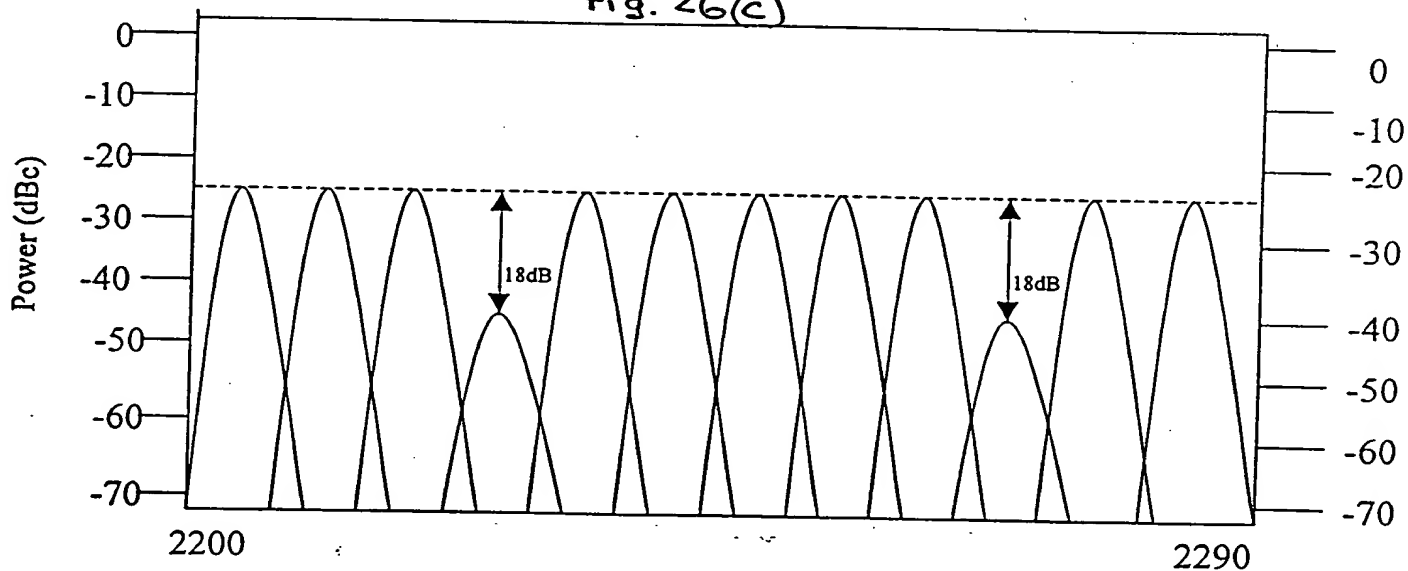


Fig. 26

5Mb/s rate LIN-FQPSK-B with SAW experiment

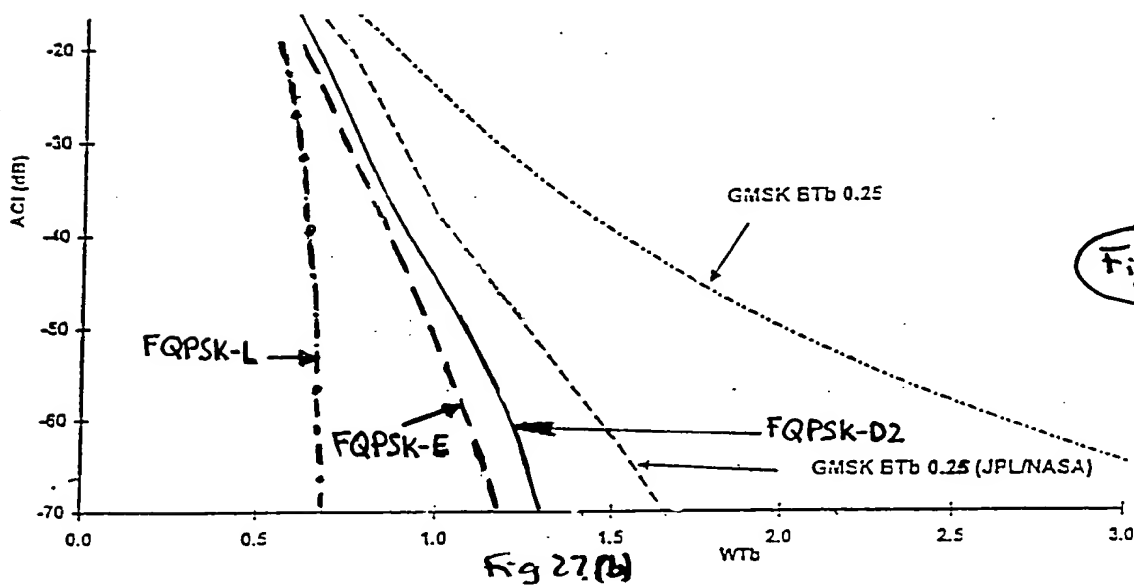
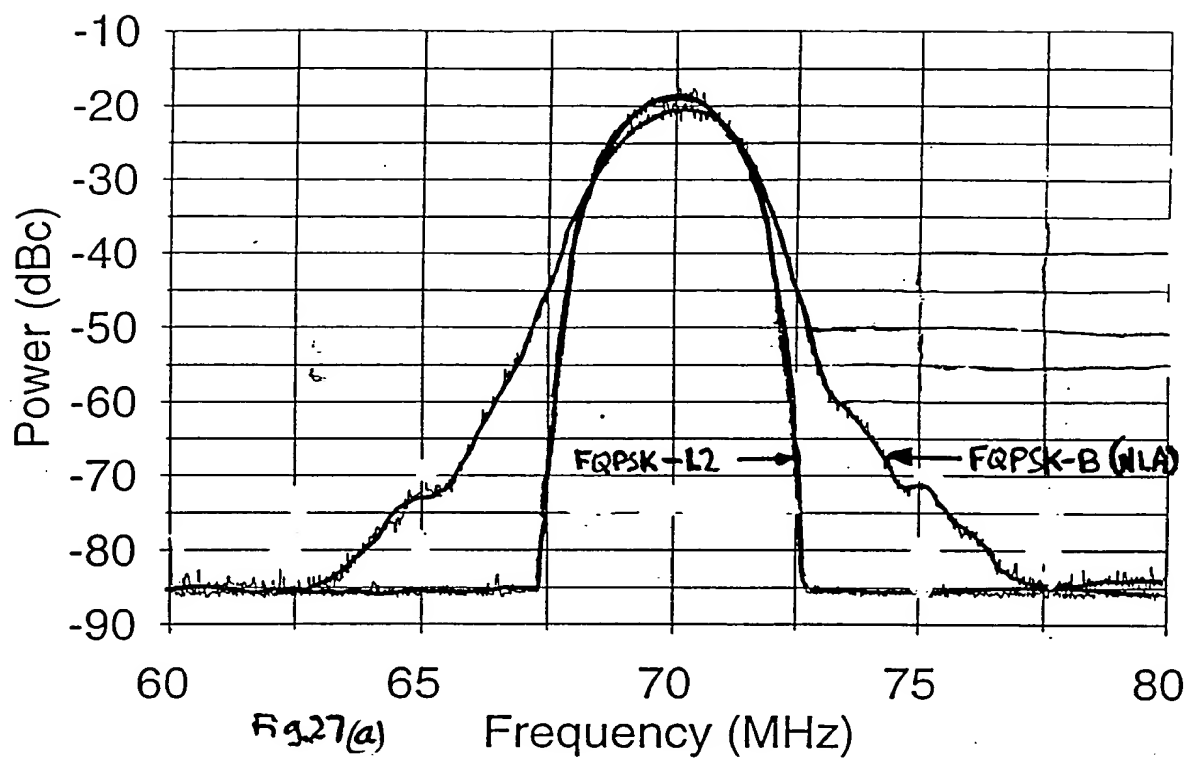


Fig. 27

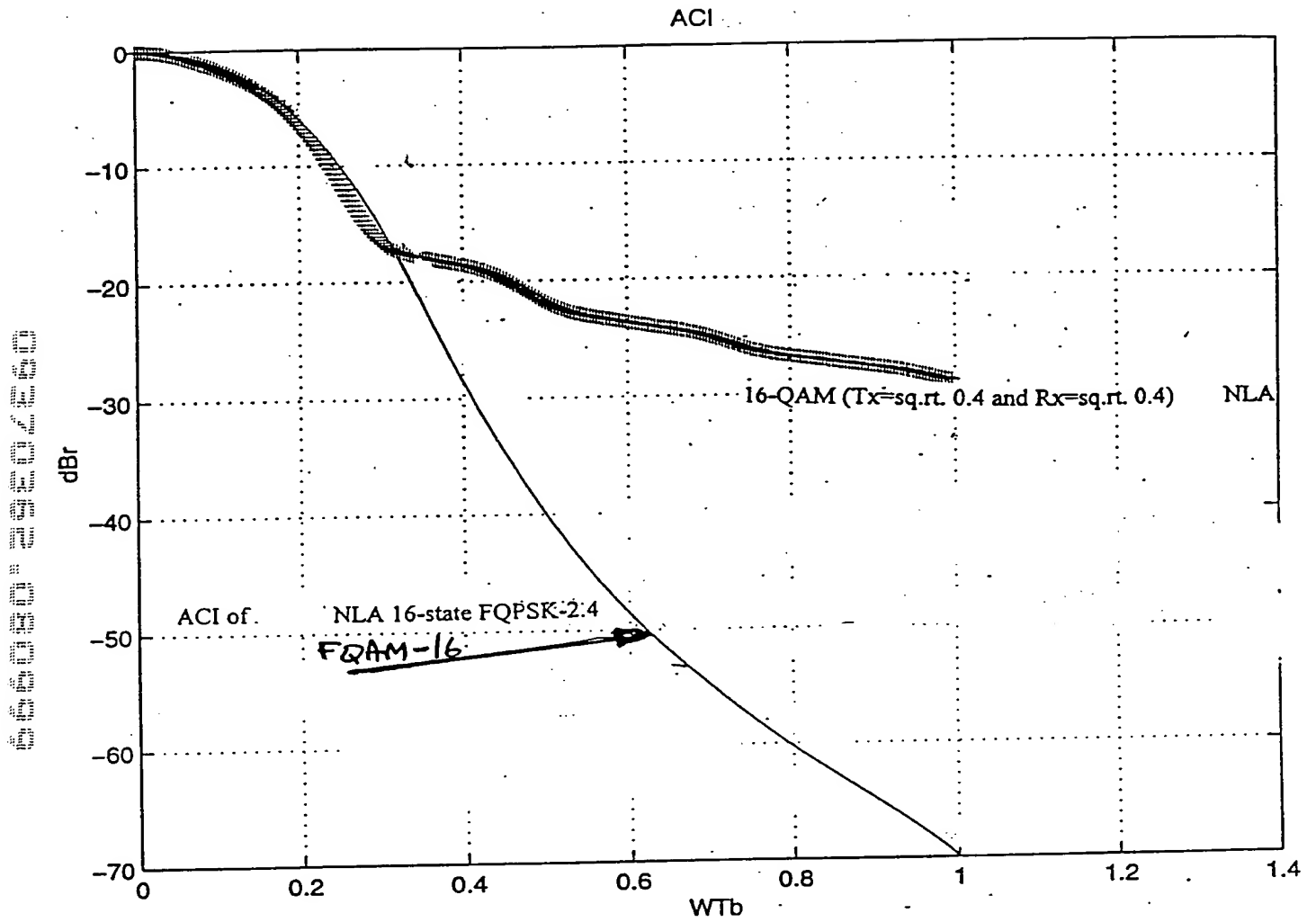


Fig. 28

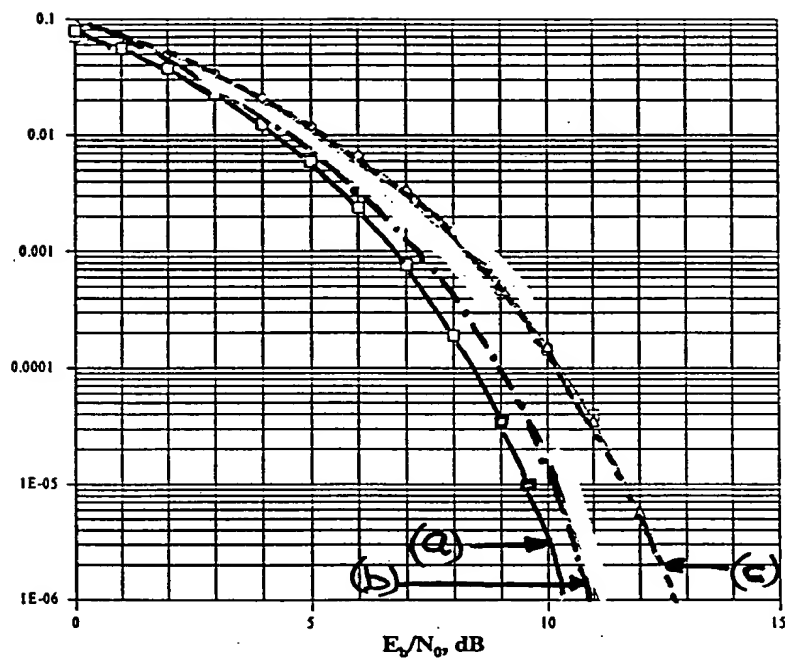
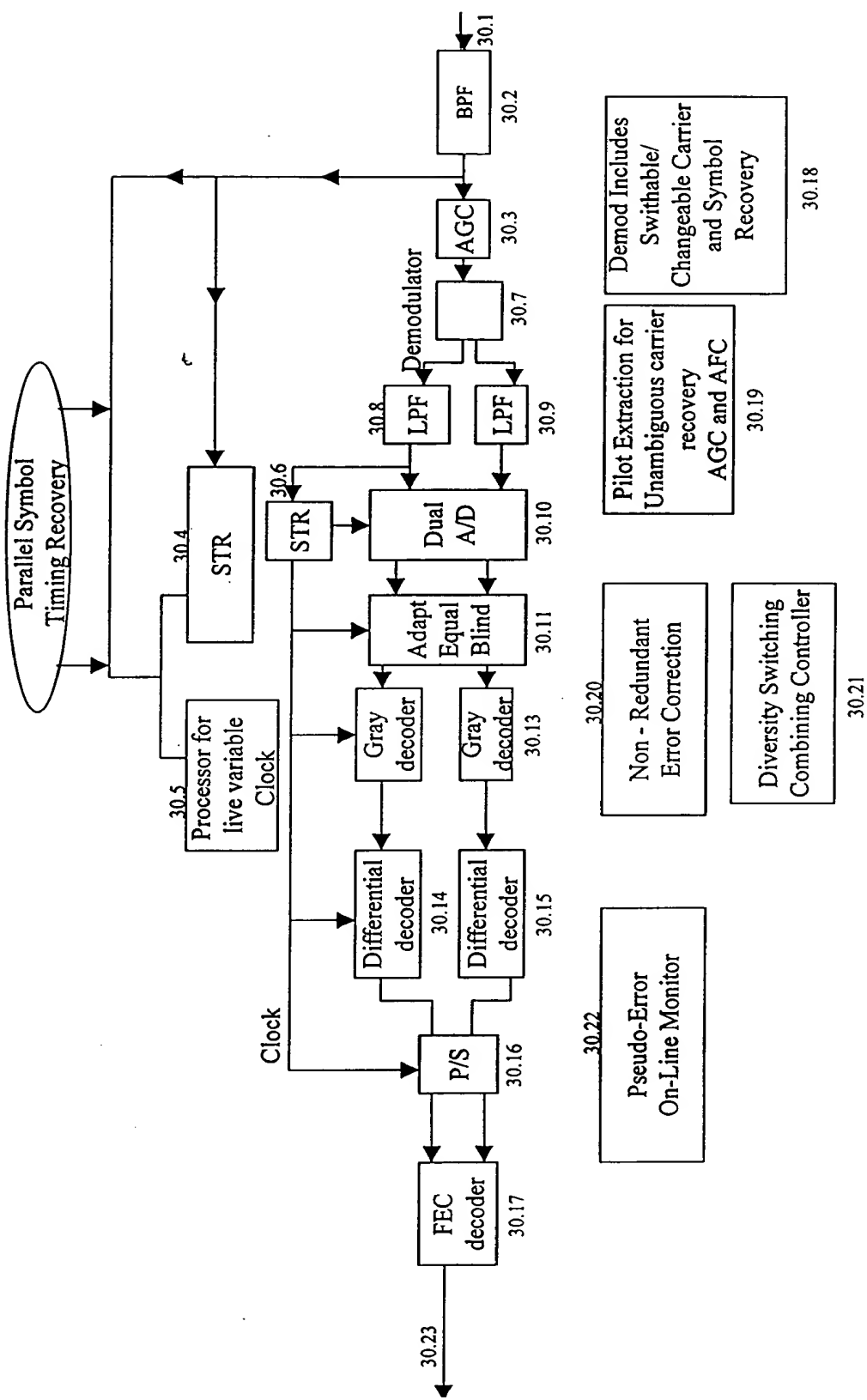


Fig. 29



**Fig.30**



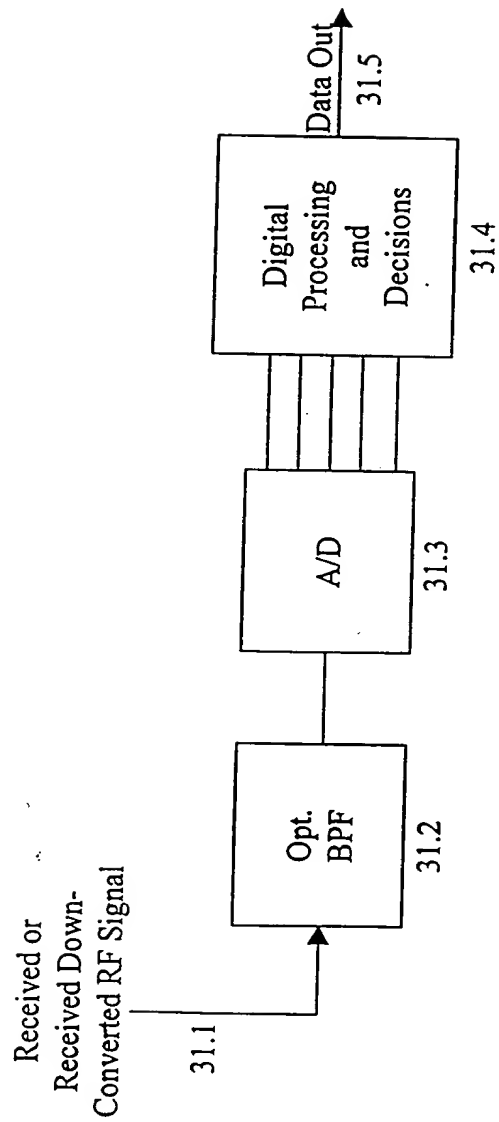


Fig. 31

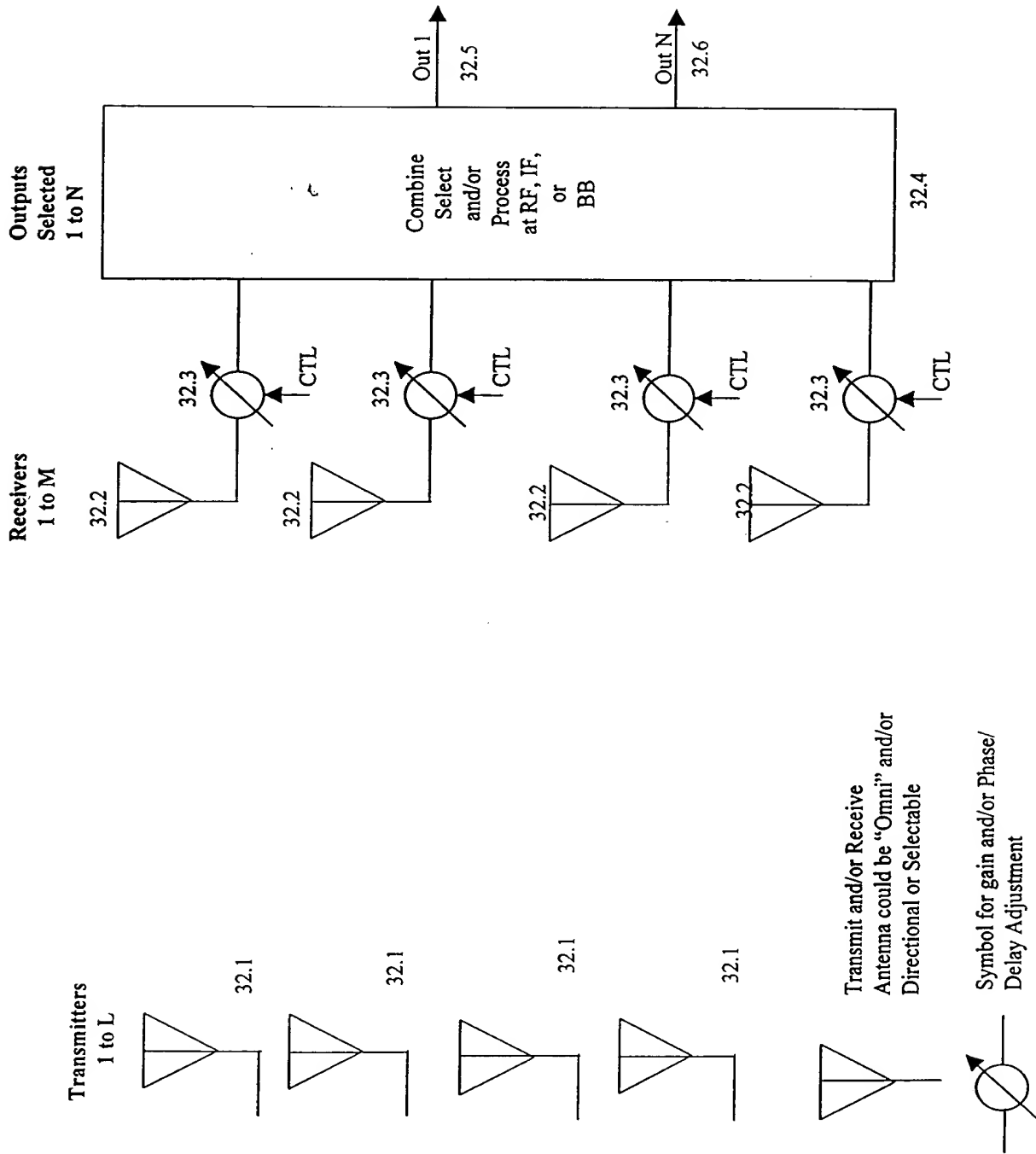


Fig.32

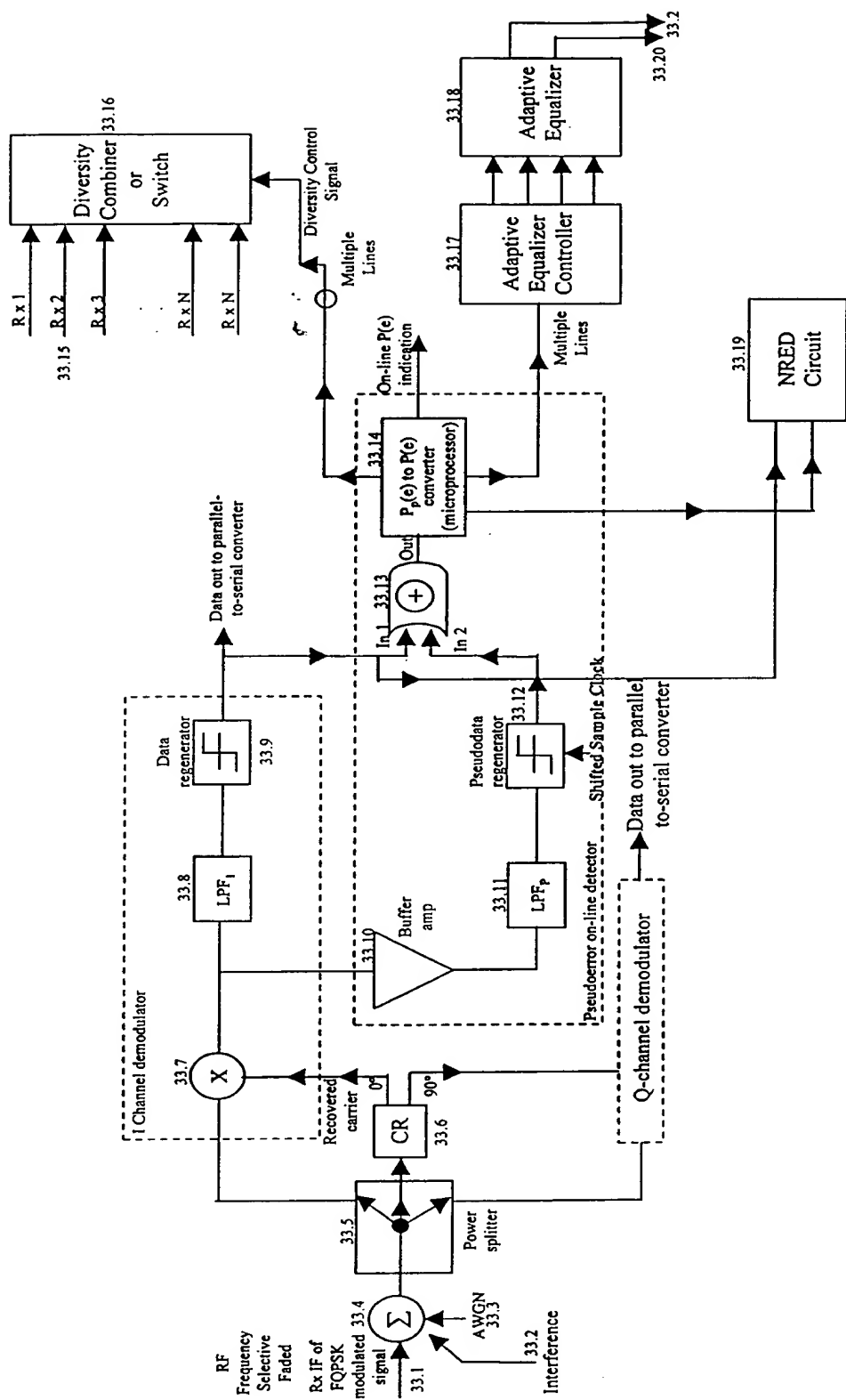


Fig.33

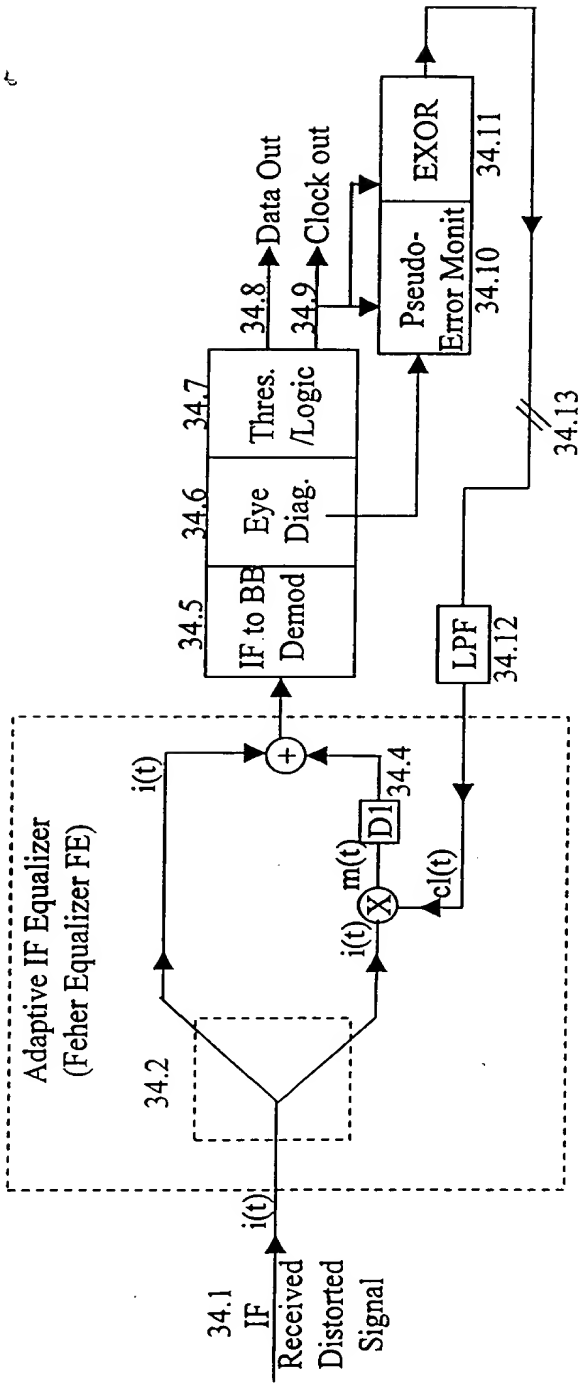


Fig.34

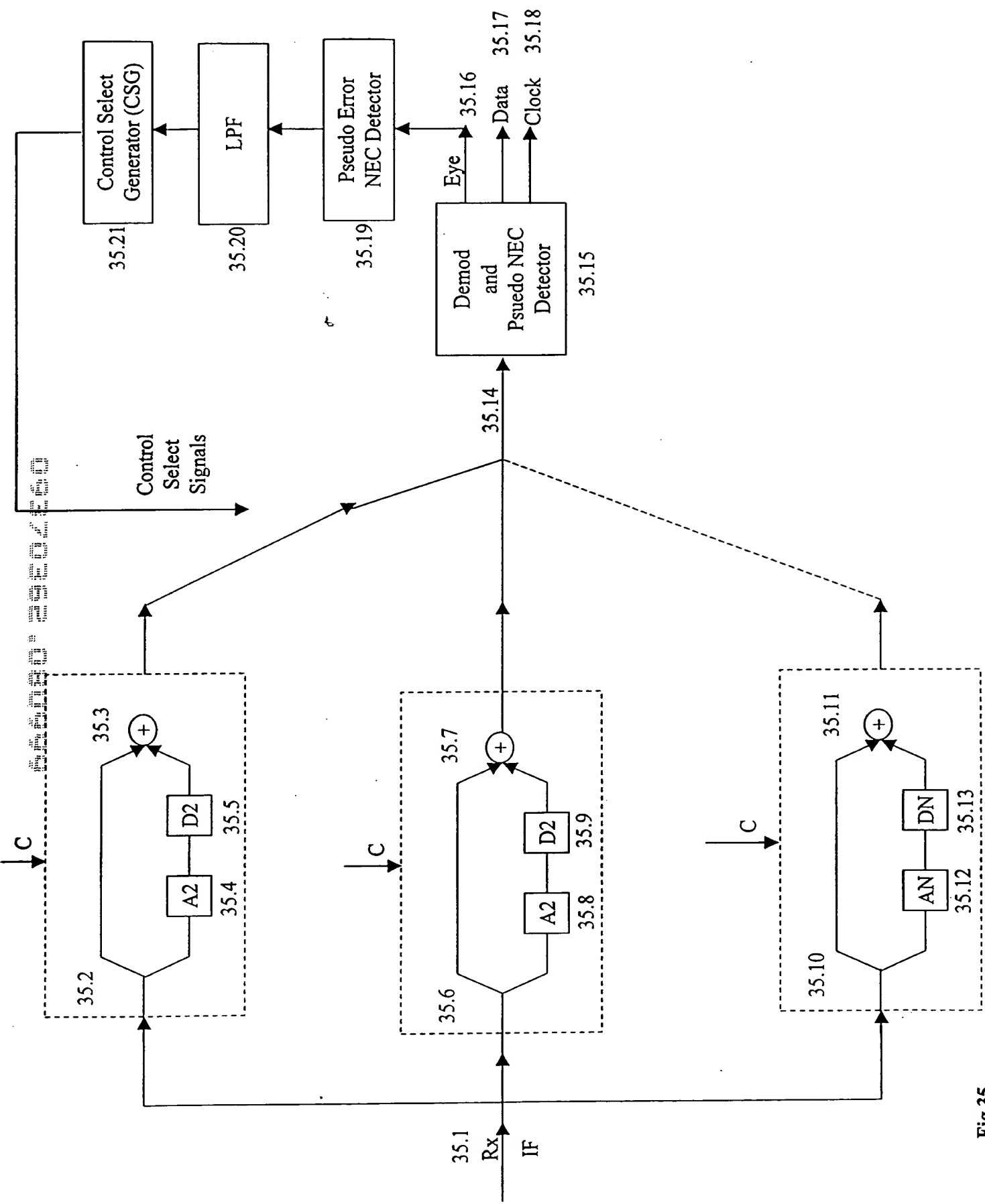


Fig.35

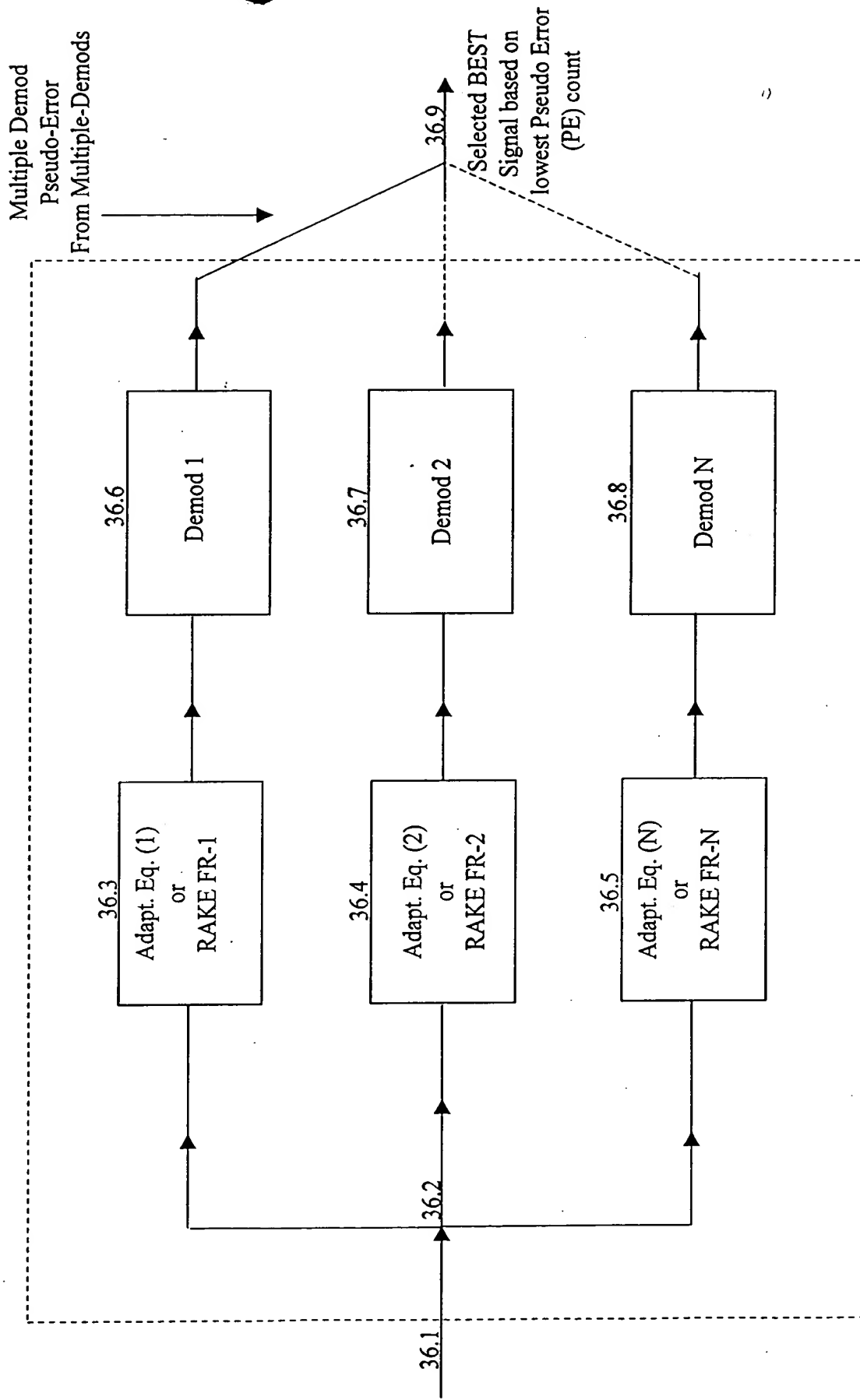


Fig.36

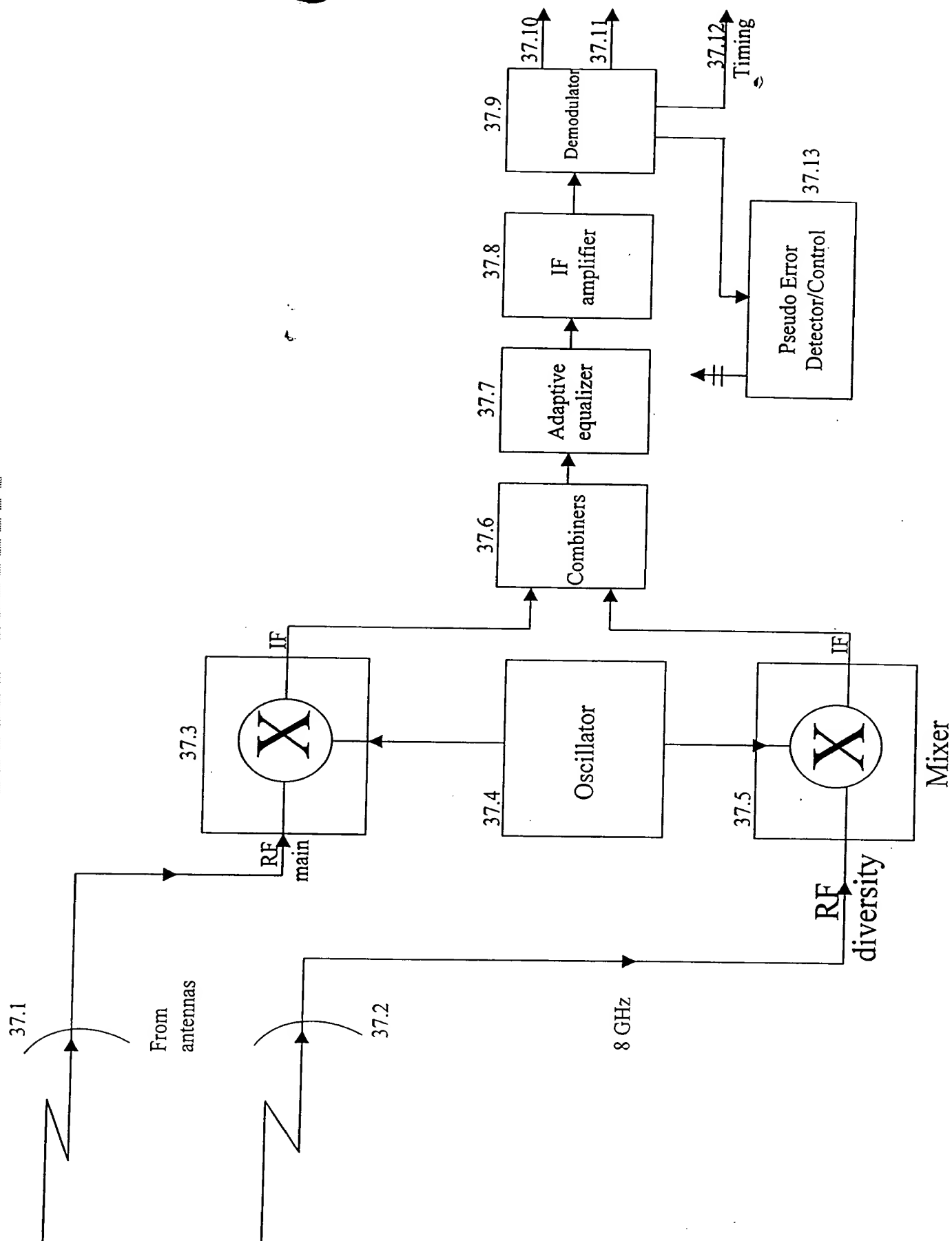


Fig.37